


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Desert Springs State 133-36-9-18				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT 8 MILE FLAT NORTH				
4. TYPE OF WELL Gas Well <input checked="" type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY						7. OPERATOR PHONE				
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML45171			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1442 FSL 884 FWL		NWSW	36	9.0 S	18.0 E	S		
Top of Uppermost Producing Zone		1815 FSL 660 FWL		NWSW	36	9.0 S	18.0 E	S		
At Total Depth		1815 FSL 660 FWL		NWSW	36	9.0 S	18.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000			26. PROPOSED DEPTH MD: 12724 TVD: 12700				
27. ELEVATION - GROUND LEVEL 4994			28. BOND NUMBER K08792707			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.25	13.375	0 - 60	48.0	H-40 ST&C	8.3	Class G	55	1.18	15.8
SURF	12.25	9.625	0 - 3400	36.0	J-55 LT&C	8.3	Hi Lift "G"	290	3.91	11.0
							Premium Foamed	115	1.63	14.2
PROD	8.75	4.5	0 - 12724	13.5	HCP-110 LT&C	11.6	Premium Lite High Strength	680	2.26	12.0
							50/50 Poz	2090	1.31	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Roger Knight				TITLE EHS Supervisor			PHONE 303 996-1803			
SIGNATURE				DATE 11/19/2012			EMAIL rknight@gascoenergy.com			
API NUMBER ASSIGNED 43047533260000				APPROVAL  Permit Manager						

RECEIVED: March 12, 2013

Gasco Production Company
Desert Springs State 133-36-9-18
NWSW, Section #36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth	Subsea
Wasatch	5135'	-130
Mesaverde	9025'	-4020'
Castlegate	11455'	-6450'
Blackhawk	11715'	-6710'
Spring Canyon	12365'	-7360'
TD	12724'	

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Gas	Wasatch	5130' - 8894'
Gas	Mesaverde	8895' - 11394'
Gas	Blackhawk	11645' - 12314'
Gas	Spring Canyon	12315' - 12724'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment

All well control equipment will be in accordance to UDOGM Conservation Rules for 5M Systems and are as follows:

5,000# BOP with 4 ½" Pipe Rams
5,000# BOP with Blind Rams
5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Pressure Control Equipment Continued

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more that once a day.

A BPOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53 Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

A rotating head will be utilized to set surface casing as in the casing and string design. This would be used as a diverter.

UDOGM will be notified, with sufficient lead time, in order to have a UDGOM representative on location during testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.
- b. A choke line and kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Weight</u>	<u>Type</u>
Conductor	60'	17.25"	13.375"	H-40	48#	-
Surface	3400'	12.25"	9.625"	J-55	36#	LTC
Production	12724'	8.75"	4.5"	HCP-110	13.5#	LTC

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	<u>Top of Cement</u>	<u>Sacks</u>	<u>Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>
Conductor:	To Surface	55	Class G	1.18	15.8
Surface:	To Surface	290	Hi-Lift	3.91	11.0
		115	RFC	1.63	14.2
Production:	To Surface	680	Premium Lite	2.26	12.0
		2090'	50/50 poz	1.31	14.3

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. UDOGM should be notified, with sufficient lead time, in order to have a UDOGM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with UDOGM within 30 days after the work is completed.

1. Progress reports, per UDOGM Conservation General Rules "Sundry Notices and Reports on Wells", must include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing,

depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.

c. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

5. Drilling Fluids Program:

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>	<u>Remarks</u>
0-60'	Air Mist	8.3	1	7.0	NA	
60'-3400'	AirMist	8.3	35	7.0	NA	
3400'-TD	Water based mud	8.3- 11.6	35	10-10.5		

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on State lands without prior UDOGM approval to ensure adequate protection of fresh water aquifers.

c. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

d. The use of materials under UDOGM jurisdiction will conform to the Conservation General Rules.

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with UDOGM Conservation General Rules. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed.

Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the wellbore. Produce all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the UDOGM on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 7655psig

The maximum bottom hole temperature anticipated is 230 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 15 days.

c. UDOGM shall be notified of the anticipated date of location construction and anticipated spud date.

- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with UDOGM Conservation General Rules, this well will report "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the UDOGM.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed on producing status. Written notification, e-mail or otherwise, will be sent no later than 5 days following the date on which the well is placed on production.
- j. With the approval of the UDOGM Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the UDOGM Engineer.
- k. Operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the UDOGM Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.
- l. A schematic facilities diagram shall be submitted to UDOGM within 60 days of installation or first production whichever occurs first. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with UDOGM Conservation General Rules.
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on State lands.

Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84116

Phone 801-538-5340
Fax 801-539-3940

CONFIDENTIAL

T9S, R18E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well location, DESERT SPRINGS STATE #133-36-9-18, located as shown in the NW 1/4 SW 1/4 of Section 36, T9S, R18E, S.L.B.&M., Uintah County, Utah.

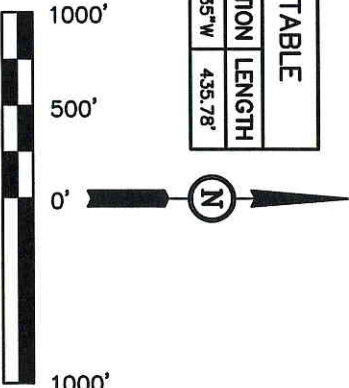
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N30°53'35"W	435.78'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
DATE 08-27-12

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

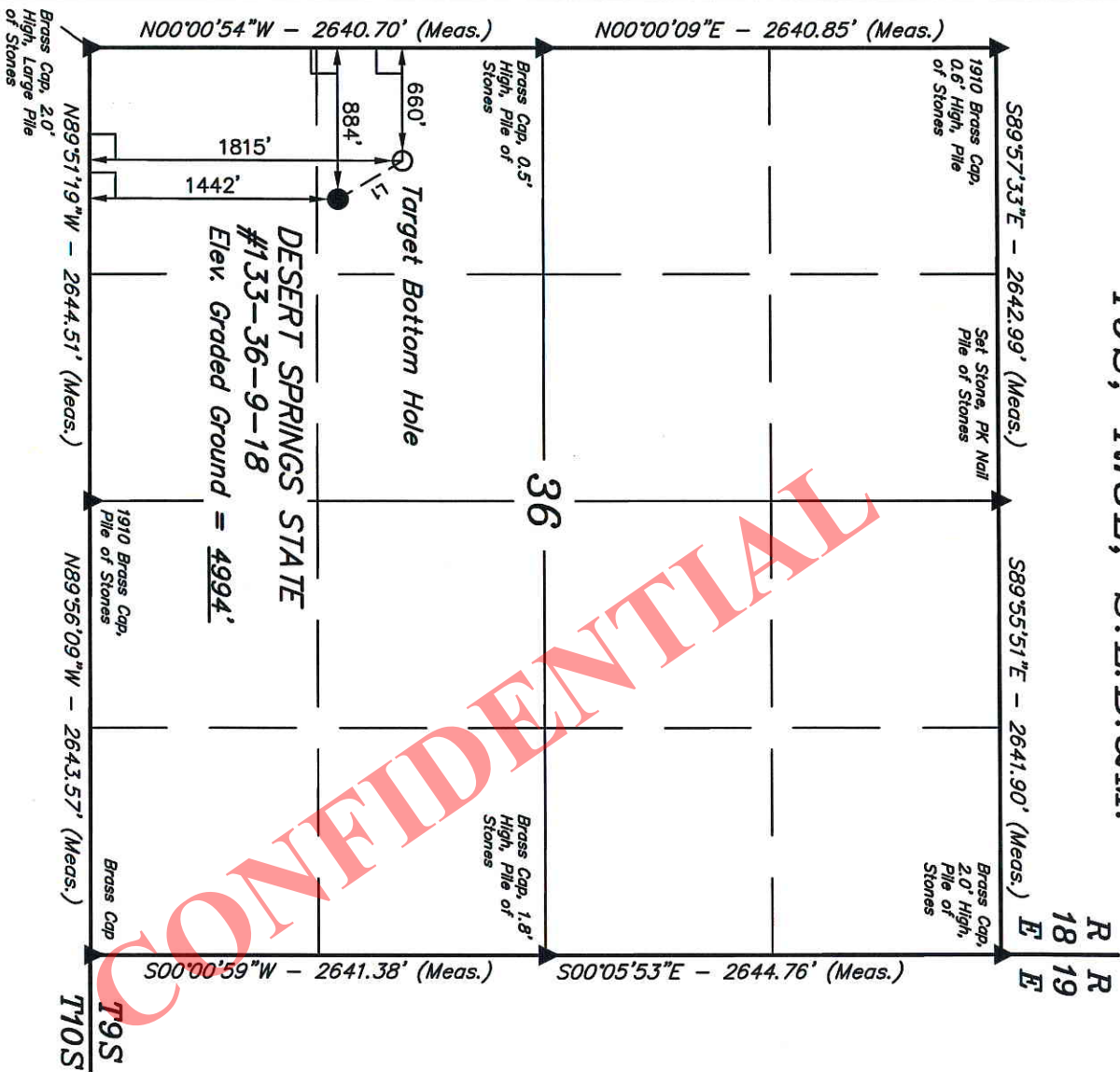
SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	08-27-12	08-29-12

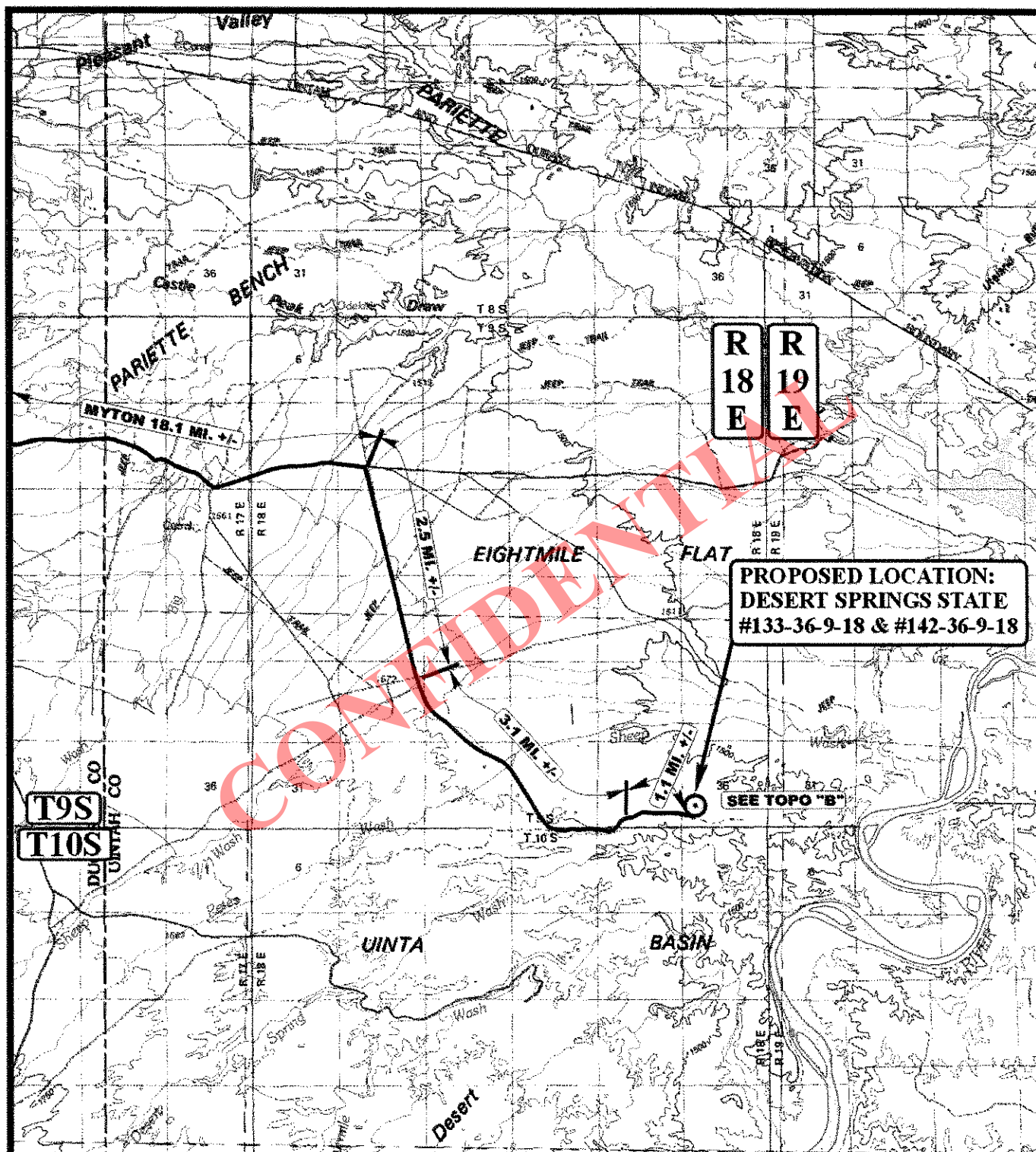
PARTY	REFERENCES
J.F. D.D. T.B.	G.L.O. PLAT
WEATHER	FILE
HOT	GASCO PRODUCTION COMPANY

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'06.47" (39.985131)	LATITUDE = 39°59'02.78" (39.984106)		
LONGITUDE = 109°50'56.63" (109.849064)	LONGITUDE = 109°50'53.76" (109.848267)		
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'06.60" (39.985167)	LATITUDE = 39°58'02.91" (39.984142)		
LONGITUDE = 109°50'54.11" (109.848364)	LONGITUDE = 109°50'51.24" (109.847567)		





LEGEND:

 PROPOSED LOCATION

GASCO PRODUCTION COMPANY

**DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4**



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

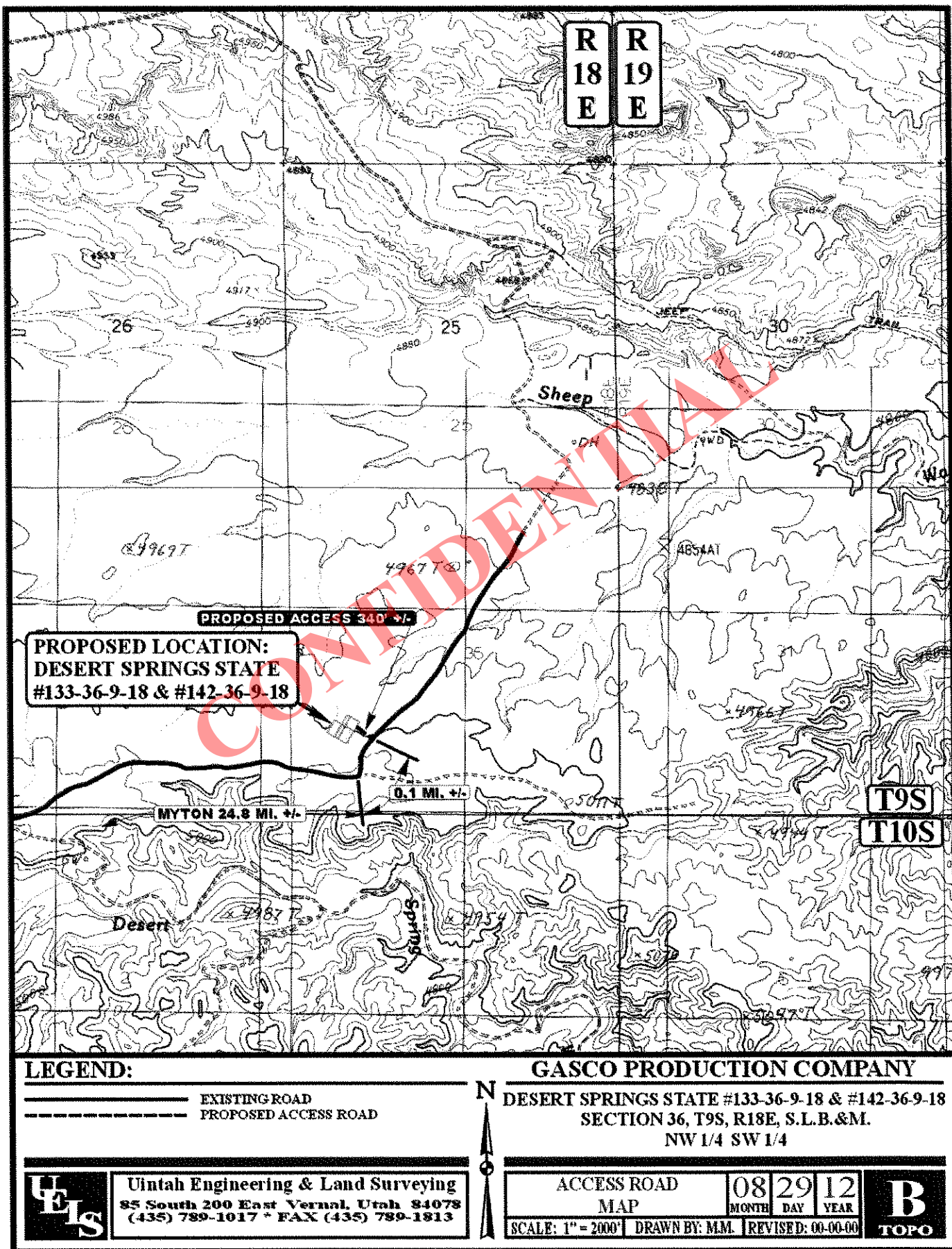


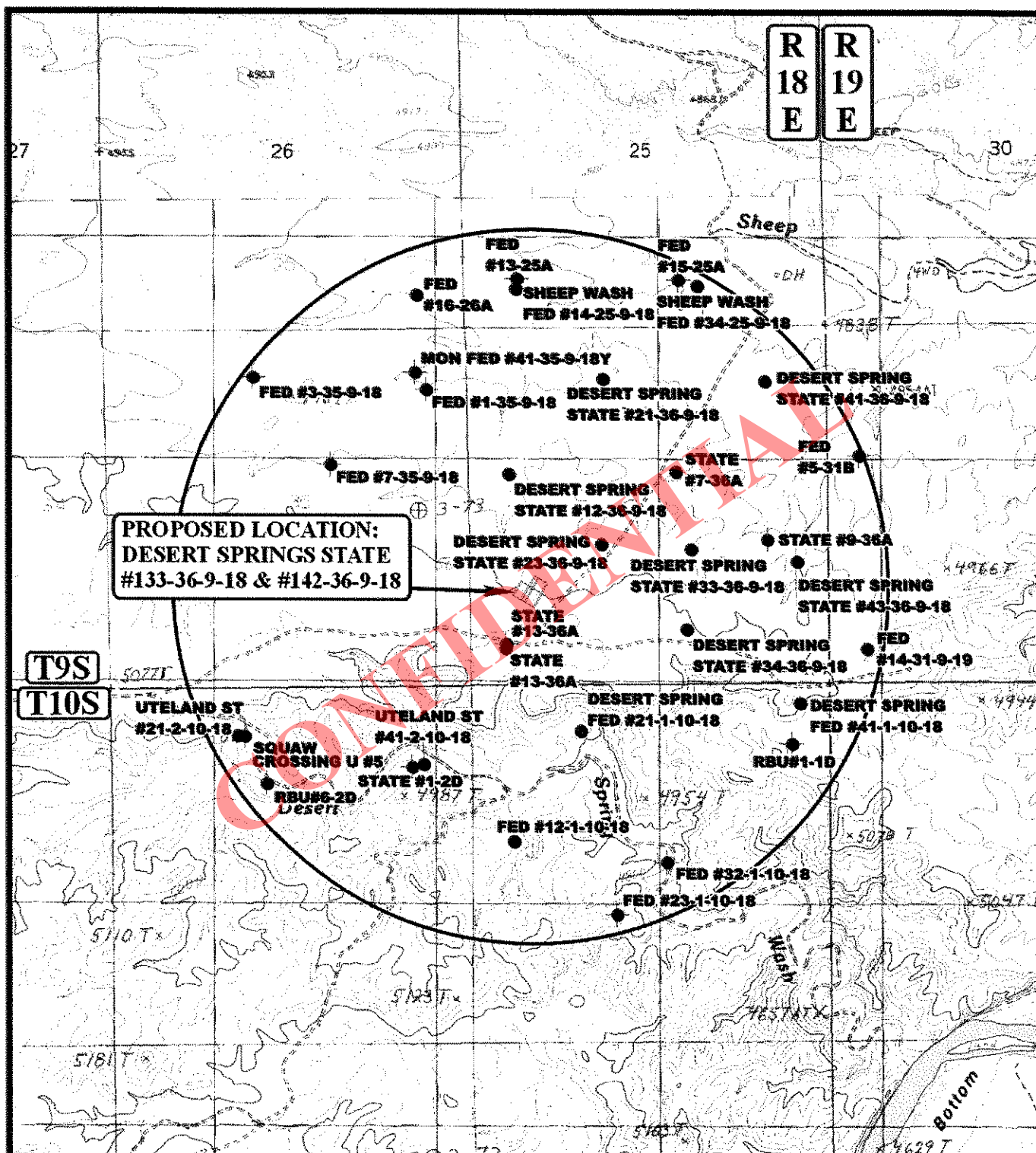
ACCESS ROAD MAP

SCALE: 1:100,000	DRAWN BY: M.M.	REVISED: 00-00-00
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08	29	12
MONTH	DAY	YEAR

A
TOPO



**LEGEND:**

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ● ABANDONED WELLS |
| ● PRODUCING WELLS | ● TEMPORARILY ABANDONED |
| ● SHUT IN WELLS | |



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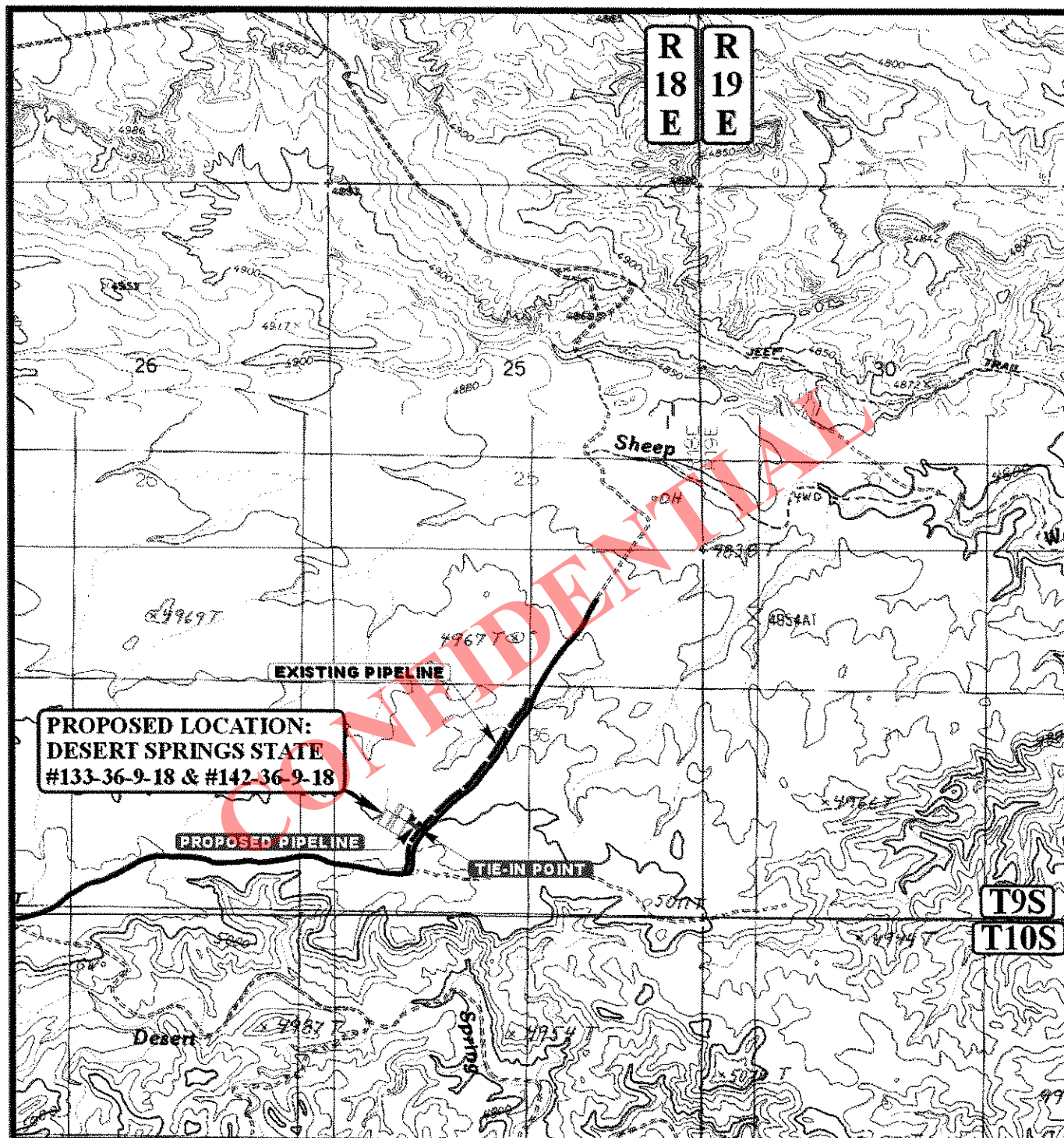
**GASCO PRODUCTION COMPANY**

DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4

TOPOGRAPHIC MAP 08 29 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 302' +/-

LEGEND:

	EXISTING ROAD
	PROPOSED ROAD
	EXISTING PIPELINE
	PROPOSED PIPELINE



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

N



GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4

ACCESS ROAD

MAP

08 29 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00

D
TOPO



Gasco Energy

Uintah County, UT

Sec 36, T9S, R18E - Desert Springs

Desert Springs State #133-36-9-18

Original Hole

Plan: Plan #2

Standard Planning Report

08 November, 2012

gyrodata

Precision Wellbore Placement



Planning Report



Precision Wellbore Placement

Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #133-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #133-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Project	Uintah County, UT		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec 36, T9S, R18E - Desert Springs				
Site Position:		Northing:	605,545.93 usft	Latitude:	39° 59' 2.910 N
From:	Lat/Long	Easting:	2,462,998.31 usft	Longitude:	109° 50' 51.240 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.06 °

Well	Desert Springs State #133-36-9-18					
Well Position	+N/-S	0.00 usft	Northing:	605,545.93 usft	Latitude:	39° 59' 2.910 N
	+E/-W	0.00 usft	Easting:	2,462,998.31 usft	Longitude:	109° 50' 51.240 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,994.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/07/12	11.04	65.75	52,133

Design	Plan #2				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	329.11	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	4.00	329.11	499.84	5.99	-3.58	2.00	2.00	0.00	329.11	
3,500.00	4.00	329.11	3,492.53	185.57	-111.02	0.00	0.00	0.00	0.00	
3,819.61	10.39	329.10	3,809.46	219.91	-131.57	2.00	2.00	0.00	-0.01	
4,550.38	10.39	329.10	4,528.24	333.03	-199.25	0.00	0.00	0.00	0.00	
5,069.98	0.00	0.00	5,045.00	373.35	-223.38	2.00	-2.00	0.00	180.00	
12,724.98	0.00	0.00	12,700.00	373.35	-223.38	0.00	0.00	0.00	0.00	PBHL (DSS 133-36-9



Planning Report



Precision Wellbore Placement

Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #133-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #133-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8"									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
400.00	2.00	329.11	399.98	1.50	-0.90	1.75	2.00	2.00	0.00
500.00	4.00	329.11	499.84	5.99	-3.58	6.98	2.00	2.00	0.00
Start 3000.00 hold at 500.00 MD									
600.00	4.00	329.11	599.59	11.97	-7.16	13.95	0.00	0.00	0.00
700.00	4.00	329.11	699.35	17.96	-10.75	20.93	0.00	0.00	0.00
800.00	4.00	329.11	799.11	23.95	-14.33	27.91	0.00	0.00	0.00
900.00	4.00	329.11	898.86	29.93	-17.91	34.88	0.00	0.00	0.00
1,000.00	4.00	329.11	998.62	35.92	-21.49	41.86	0.00	0.00	0.00
1,100.00	4.00	329.11	1,098.38	41.91	-25.07	48.83	0.00	0.00	0.00
1,200.00	4.00	329.11	1,198.13	47.89	-28.65	55.81	0.00	0.00	0.00
1,300.00	4.00	329.11	1,297.89	53.88	-32.23	62.78	0.00	0.00	0.00
1,400.00	4.00	329.11	1,397.65	59.86	-35.81	69.76	0.00	0.00	0.00
1,500.00	4.00	329.11	1,497.40	65.85	-39.40	76.73	0.00	0.00	0.00
1,600.00	4.00	329.11	1,597.16	71.84	-42.98	83.71	0.00	0.00	0.00
1,700.00	4.00	329.11	1,696.91	77.82	-46.56	90.69	0.00	0.00	0.00
1,800.00	4.00	329.11	1,796.67	83.81	-50.14	97.66	0.00	0.00	0.00
1,900.00	4.00	329.11	1,896.43	89.80	-53.72	104.64	0.00	0.00	0.00
2,000.00	4.00	329.11	1,996.18	95.78	-57.30	111.61	0.00	0.00	0.00
2,100.00	4.00	329.11	2,095.94	101.77	-60.88	118.59	0.00	0.00	0.00
2,200.00	4.00	329.11	2,195.70	107.75	-64.46	125.56	0.00	0.00	0.00
2,300.00	4.00	329.11	2,295.45	113.74	-68.04	132.54	0.00	0.00	0.00
2,400.00	4.00	329.11	2,395.21	119.73	-71.63	139.52	0.00	0.00	0.00
2,500.00	4.00	329.11	2,494.97	125.71	-75.21	146.49	0.00	0.00	0.00
2,600.00	4.00	329.11	2,594.72	131.70	-78.79	153.47	0.00	0.00	0.00
2,700.00	4.00	329.11	2,694.48	137.68	-82.37	160.44	0.00	0.00	0.00
2,800.00	4.00	329.11	2,794.23	143.67	-85.95	167.42	0.00	0.00	0.00
2,900.00	4.00	329.11	2,893.99	149.66	-89.53	174.39	0.00	0.00	0.00
3,000.00	4.00	329.11	2,993.75	155.64	-93.11	181.37	0.00	0.00	0.00
3,100.00	4.00	329.11	3,093.50	161.63	-96.69	188.35	0.00	0.00	0.00
3,200.00	4.00	329.11	3,193.26	167.62	-100.28	195.32	0.00	0.00	0.00
3,300.00	4.00	329.11	3,293.02	173.60	-103.86	202.30	0.00	0.00	0.00
3,400.00	4.00	329.11	3,392.77	179.59	-107.44	209.27	0.00	0.00	0.00
9 5/8"									
3,500.00	4.00	329.11	3,492.53	185.57	-111.02	216.25	0.00	0.00	0.00
Start DLS 2.00 TFO -0.01									
3,600.00	6.00	329.11	3,592.14	193.05	-115.49	224.96	2.00	2.00	0.00
3,700.00	8.00	329.10	3,691.39	203.51	-121.75	237.15	2.00	2.00	0.00
3,800.00	10.00	329.10	3,790.16	216.93	-129.78	252.79	2.00	2.00	0.00
3,819.61	10.39	329.10	3,809.46	219.91	-131.57	256.26	2.00	2.00	0.00
Start 730.77 hold at 3819.61 MD									
3,900.00	10.39	329.10	3,888.53	232.36	-139.01	270.76	0.00	0.00	0.00
4,000.00	10.39	329.10	3,986.89	247.83	-148.27	288.80	0.00	0.00	0.00
4,100.00	10.39	329.10	4,085.25	263.31	-157.54	306.84	0.00	0.00	0.00
4,200.00	10.39	329.10	4,183.61	278.79	-166.80	324.88	0.00	0.00	0.00



Planning Report



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Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Site:	Sec 36, T9S, R16E - Desert Springs	North Reference:	True
Well:	Desert Springs State #133-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.00	10.39	329.10	4,281.97	294.27	-176.06	342.92	0.00	0.00	0.00
4,400.00	10.39	329.10	4,380.33	309.75	-185.33	360.96	0.00	0.00	0.00
4,500.00	10.39	329.10	4,478.69	325.23	-194.59	379.00	0.00	0.00	0.00
4,550.38	10.39	329.10	4,528.24	333.03	-199.25	388.08	0.00	0.00	0.00
Start Drop -2.00									
4,600.00	9.40	329.10	4,577.12	340.34	-203.63	396.61	2.00	-2.00	0.00
4,700.00	7.40	329.10	4,676.04	352.88	-211.13	411.22	2.00	-2.00	0.00
4,800.00	5.40	329.10	4,775.42	362.44	-216.86	422.36	2.00	-2.00	0.00
4,900.00	3.40	329.10	4,875.12	369.02	-220.80	430.03	2.00	-2.00	0.00
5,000.00	1.40	329.10	4,975.02	372.62	-222.95	434.22	2.00	-2.00	0.00
5,069.98	0.00	0.00	5,045.00	373.35	-223.38	435.08	2.00	-2.00	0.00
Start 7655.00 hold at 5069.98 MD									
5,100.00	0.00	0.00	5,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,169.98	0.00	0.00	5,145.00	373.35	-223.38	435.08	0.00	0.00	0.00
Wasatch									
5,200.00	0.00	0.00	5,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,300.00	0.00	0.00	5,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,400.00	0.00	0.00	5,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,500.00	0.00	0.00	5,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,600.00	0.00	0.00	5,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,700.00	0.00	0.00	5,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,800.00	0.00	0.00	5,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
5,900.00	0.00	0.00	5,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,000.00	0.00	0.00	5,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,100.00	0.00	0.00	6,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,200.00	0.00	0.00	6,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,300.00	0.00	0.00	6,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,400.00	0.00	0.00	6,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,500.00	0.00	0.00	6,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,600.00	0.00	0.00	6,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,700.00	0.00	0.00	6,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,800.00	0.00	0.00	6,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
6,900.00	0.00	0.00	6,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,000.00	0.00	0.00	6,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,100.00	0.00	0.00	7,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,200.00	0.00	0.00	7,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,300.00	0.00	0.00	7,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,400.00	0.00	0.00	7,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,500.00	0.00	0.00	7,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,600.00	0.00	0.00	7,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,700.00	0.00	0.00	7,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,800.00	0.00	0.00	7,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
7,900.00	0.00	0.00	7,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,000.00	0.00	0.00	7,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,100.00	0.00	0.00	8,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,200.00	0.00	0.00	8,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,300.00	0.00	0.00	8,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,400.00	0.00	0.00	8,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,500.00	0.00	0.00	8,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,600.00	0.00	0.00	8,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,700.00	0.00	0.00	8,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
8,800.00	0.00	0.00	8,775.02	373.35	-223.38	435.08	0.00	0.00	0.00



Planning Report



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Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5009.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #133-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,900.00	0.00	0.00	8,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,000.00	0.00	0.00	8,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,059.98	0.00	0.00	9,035.00	373.35	-223.38	435.08	0.00	0.00	0.00
Mesaverde									
9,100.00	0.00	0.00	9,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,200.00	0.00	0.00	9,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,300.00	0.00	0.00	9,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,400.00	0.00	0.00	9,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,500.00	0.00	0.00	9,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,600.00	0.00	0.00	9,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,700.00	0.00	0.00	9,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,800.00	0.00	0.00	9,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
9,900.00	0.00	0.00	9,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,000.00	0.00	0.00	9,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,100.00	0.00	0.00	10,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,200.00	0.00	0.00	10,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,300.00	0.00	0.00	10,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,400.00	0.00	0.00	10,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,500.00	0.00	0.00	10,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,600.00	0.00	0.00	10,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,700.00	0.00	0.00	10,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,800.00	0.00	0.00	10,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
10,900.00	0.00	0.00	10,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,000.00	0.00	0.00	10,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,100.00	0.00	0.00	11,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,200.00	0.00	0.00	11,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,300.00	0.00	0.00	11,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,400.00	0.00	0.00	11,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,479.98	0.00	0.00	11,455.00	373.35	-223.38	435.08	0.00	0.00	0.00
Castlegate									
11,500.00	0.00	0.00	11,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,600.00	0.00	0.00	11,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,700.00	0.00	0.00	11,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,759.98	0.00	0.00	11,735.00	373.35	-223.38	435.08	0.00	0.00	0.00
Blackhawk									
11,800.00	0.00	0.00	11,775.02	373.35	-223.38	435.08	0.00	0.00	0.00
11,900.00	0.00	0.00	11,875.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,000.00	0.00	0.00	11,975.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,100.00	0.00	0.00	12,075.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,200.00	0.00	0.00	12,175.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,300.00	0.00	0.00	12,275.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,389.98	0.00	0.00	12,365.00	373.35	-223.38	435.08	0.00	0.00	0.00
Spring Canyon									
12,400.00	0.00	0.00	12,375.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,500.00	0.00	0.00	12,475.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,600.00	0.00	0.00	12,575.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,700.00	0.00	0.00	12,675.02	373.35	-223.38	435.08	0.00	0.00	0.00
12,724.98	0.00	0.00	12,700.00	373.35	-223.38	435.08	0.00	0.00	0.00
TD at 12724.98 - PBHL (DSS 133-36-9-18)									



Planning Report



Precision Wellbore Placement

Database: Gyrodata Single User DB
Company: Gasco Energy
Project: Uintah County, UT
Site: Sec 36, T9S, R18E - Desert Springs
Well: Desert Springs State #133-36-9-18
Wellbore: Original Hole
Design: Plan #2

Local Co-ordinate Reference: Well Desert Springs State #133-36-9-18
TVD Reference: Est RKB=15' @ 5009.00usft (Original Well Elev)
MD Reference: Est RKB=15' @ 5009.00usft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (DSS 133-36-9-18 - plan hits target center - Point	0.00	0.00	12,700.00	373.35	-223.38	605,915.09	2,462,768.06	39° 59' 6.600 N	109° 50' 54.110 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
60.00	60.00	13 3/8"	13-3/8	17-1/2
3,400.00	3,392.77	9 5/8"	9-5/8	12-1/4
12,724.98	12,700.00	4 1/2"	4-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,169.98	5,145.00	Wasatch		0.00	
9,059.98	9,035.00	Mesaverde		0.00	
11,479.98	11,455.00	Castlegate		0.00	
11,759.98	11,735.00	Blackhawk		0.00	
12,389.98	12,365.00	Spring Canyon		0.00	
12,724.98	12,700.00	TD		0.00	

Plan Annotations

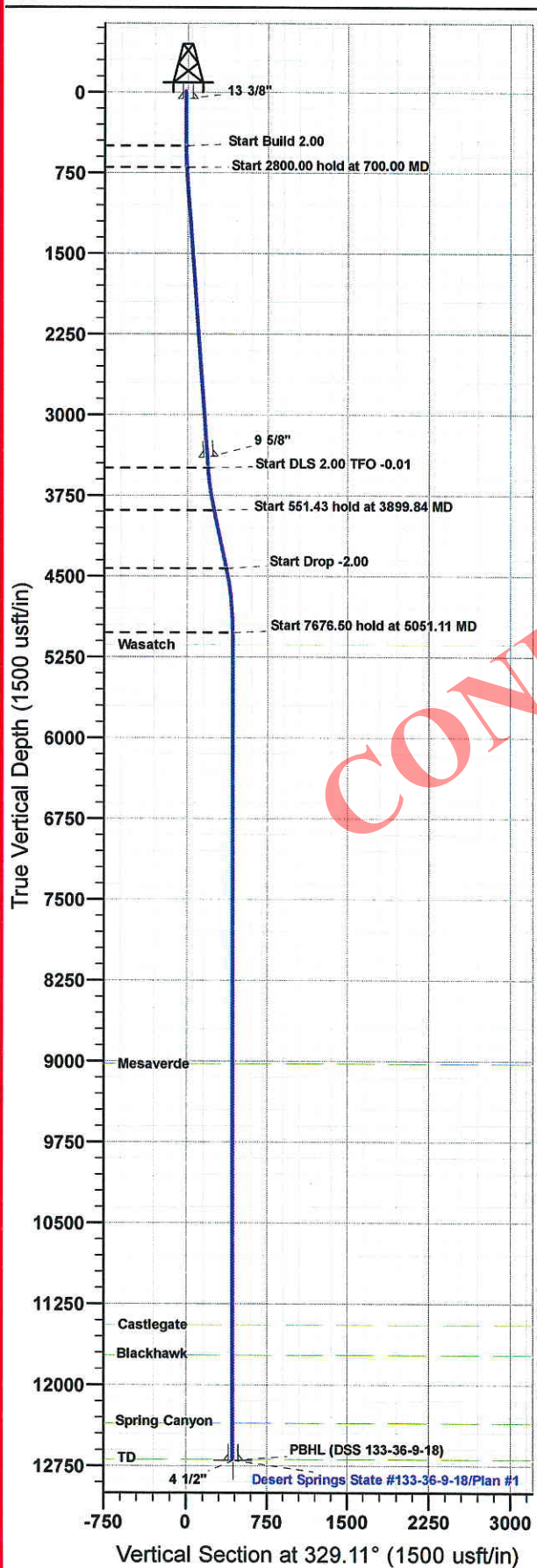
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.00	300.00	0.00	0.00	Start Build 2.00
500.00	499.84	5.99	-3.58	Start 3000.00 hold at 500.00 MD
3,500.00	3,492.53	185.57	-111.02	Start DLS 2.00 TFO -0.01
3,819.61	3,809.46	219.91	-131.57	Start 730.77 hold at 3819.61 MD
4,550.38	4,528.24	333.03	-199.25	Start Drop -2.00
5,069.98	5,045.00	373.35	-223.38	Start 7655.00 hold at 5069.98 MD
12,724.98	12,700.00	373.35	-223.38	TD at 12724.98



Company: Gasco Energy
Field: Uintah County, UT
Location: Sec 36, T9S, R18E - Desert Springs
Well: Desert Springs State #133-36-9-18
Original Hole

gyro/data
Precision Wellbore Placement

Plan: Plan #1 (Desert Springs State #133-36-9-18/Original Hole)
Est RKB=15' @ 5009.00usft (Original Well Elev)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	
3	700.00	4.00	329.11	699.84	5.99	-3.58	2.00	329.11	6.98	
4	3500.00	4.00	329.11	3493.02	173.60	-103.86	0.00	0.00	202.30	
5	3899.84	12.00	329.10	3888.65	221.31	-132.40	2.00	-0.01	257.89	
6	4451.27	12.00	329.10	4428.03	319.66	-191.26	0.00	0.00	372.51	
7	5051.11	0.00	0.00	5023.50	373.35	-223.38	2.00	180.00	435.08	
8	12727.61	0.00	0.00	12700.00	373.35	-223.38	0.00	0.00	435.08	PBHL (DSS 133-36-9-18)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (DSS 133-36-9-18)	12700.00	373.35	-223.38	605915.08	2462768.07	Point

WELL DETAILS: Desert Springs State #133-36-9-18

Ground Elev: 4994.00					
Est RKB=15' @ 5009.00usft (Original Well Elev)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	605545.92	2462998.31	39° 59' 2.910 N	109° 50' 51.240 W

ANNOTATIONS

TVD	MD	Annotation
500.00	500.00	Start Build 2.00
699.84	700.00	Start 2800.00 hold at 700.00 MD
3493.02	3500.00	Start DLS 2.00 TFO -0.01
3888.65	3899.84	Start 551.43 hold at 3899.84 MD
4428.03	4451.27	Start Drop -2.00
5023.50	5051.11	Start 7676.50 hold at 5051.11 MD
12700.00	12727.61	TD at 12727.61

FORMATION TOPS ALONG WELLPATH

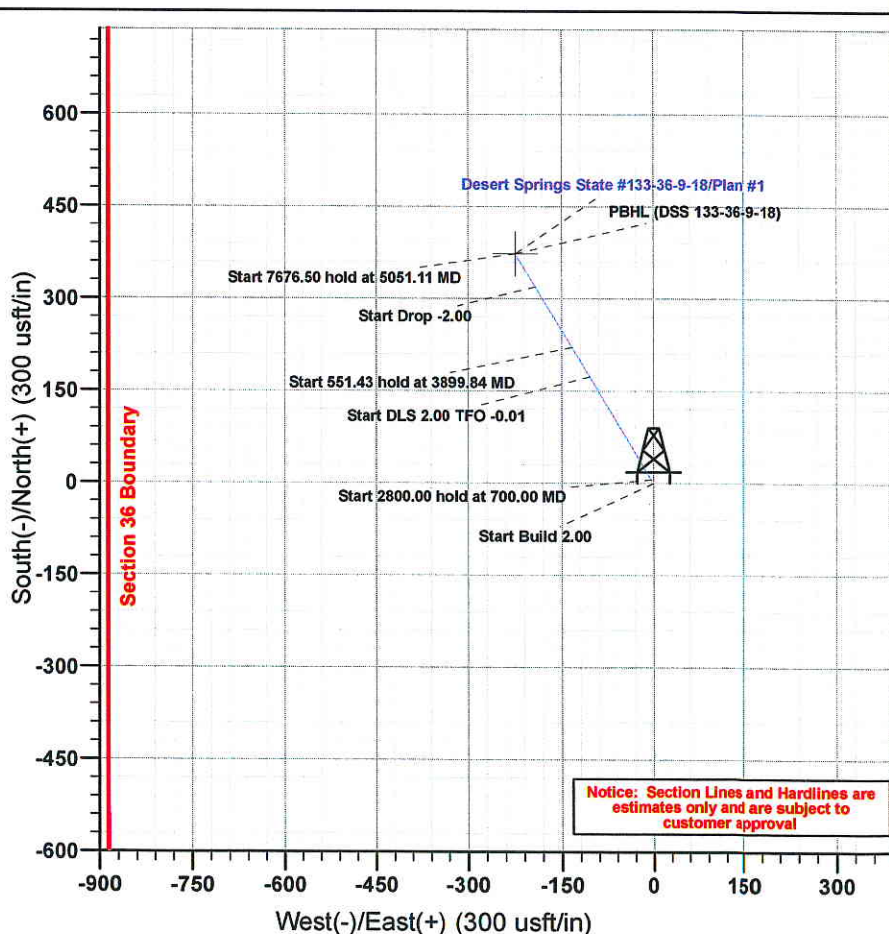
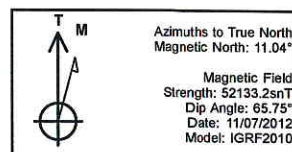
TVDPath	MDPath	Formation
5145.00	5172.61	Wasatch
9035.00	9062.61	Mesaverde
11455.00	11482.61	Castlegate
11735.00	11762.61	Blackhawk
12365.00	12392.61	Spring Canyon
12700.00	12727.61	TD

CASING DETAILS

TVD	MD	Name	Size
60.00	60.00	13 3/8"	13-3/8
3393.26	3400.00	9 5/8"	9-5/8
12700.00	12727.61	4 1/2"	4-1/2

Plan: Plan #1 (Desert Springs State #133-36-9-18/Original Hole)

Created By: M. Routh Date: 9:08, November 08 2012

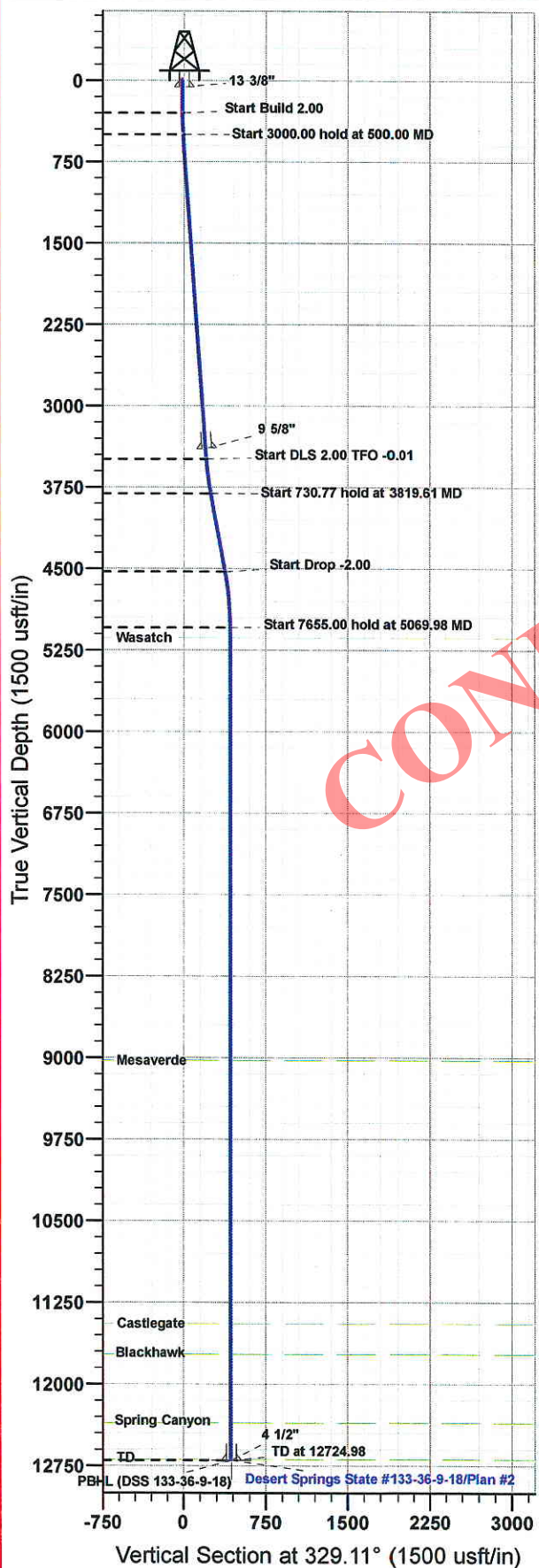




Company: Gasco Energy
Field: Uintah County, UT
Location: Sec 36, T9S, R18E - Desert Springs
Well: Desert Springs State #133-36-9-18
Original Hole

gyro/data
Precision Wellbore Placement

Plan: Plan #2 (Desert Springs State #133-36-9-18/Original Hole)
Est RKB=15' @ 5009.00usft (Original Well Elev)



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	500.00	4.00	329.11	499.84	5.99	-3.58	2.00	329.11	6.98	
4	3500.00	4.00	329.11	3492.53	185.57	-111.02	0.00	0.00	216.25	
5	3819.61	10.39	329.10	3809.46	219.91	-131.57	2.00	-0.01	256.26	
6	4550.38	10.39	329.10	4528.24	333.03	-199.25	0.00	0.00	388.08	
7	5069.98	0.00	0.00	5045.00	373.35	-223.38	2.00	180.00	435.08	
8	12724.98	0.00	0.00	12700.00	373.35	-223.38	0.00	0.00	435.08	PBHL (DSS 133-36-9-18)

WELLBORE TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Shape Point
PBHL (DSS 133-36-9-18)	12700.00	373.35	-223.38	605915.08	2462768.07	

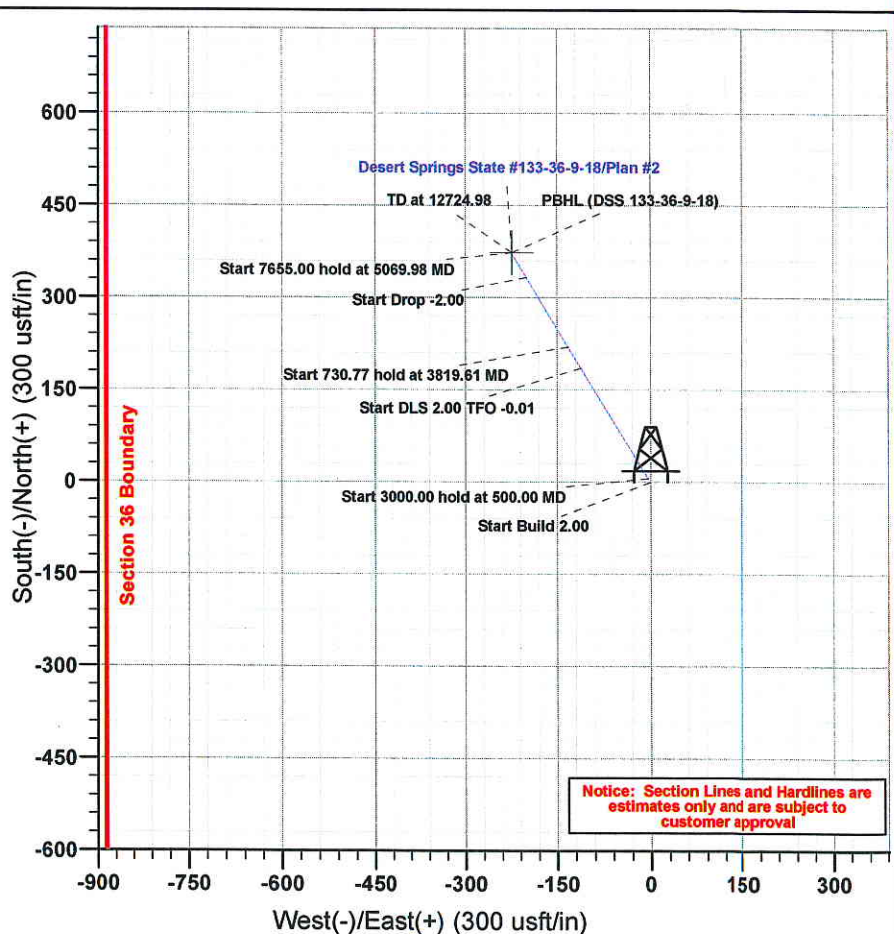
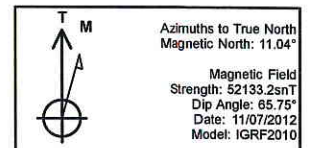
WELL DETAILS: Desert Springs State #133-36-9-18						
Ground Elev: 4994.00						
Est RKB=15' @ 5009.00usft (Original Well Elev)						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	605545.92	2462998.31	39° 59' 2.910 N	109° 50' 51.240 W	

ANNOTATIONS			FORMATION TOPS ALONG WELLPATH		
TVD	MD	Annotation	TVDPath	MDPath	Formation
300.00	300.00	Start Build 2.00	5145.00	5169.98	Wasatch
499.84	500.00	Start 3000.00 hold at 500.00 MD	9035.00	9059.98	Mesaverde
3492.53	3500.00	Start DLS 2.00 TFO -0.01	11455.00	11479.98	Castlegate
3809.46	3819.61	Start 730.77 hold at 3819.61 MD	11735.00	11759.98	Blackhawk
4528.24	4550.38	Start Drop -2.00	12365.00	12389.98	Spring Canyon
5045.00	5069.98	Start 7655.00 hold at 5069.98 MD	12700.00	12724.98	TD
12700.00	12724.98	TD at 12724.98			

CASING DETAILS				
TVD	MD	Name	Size	
60.00	60.00	13 3/8"	13-3/8"	
3392.77	3400.00	9 5/8"	9-5/8"	
12700.00	12724.98	4 1/2"	4-1/2"	

Plan: Plan #2 (Desert Springs State #133-36-9-18/Original Hole)

Created By: M. Routh Date: 14:03, November 08 2012



Gasco Production Company
Desert Springs State 133-36-9-18
NW/SW, Section 36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Production Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted with at least one of the land management agency specialists and Gasco which may include the following individuals:

UDOGM Representative
SITLA Representative
Gasco Production Company
Uintah Engineer and Land Surveying

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from plats.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

4. Location of Tank Batteries and Production Facilities

- a. All permanent surface equipment will be painted a Color approved by the land management agency.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A production layout will be submitted via sundry upon proven productivity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. A natural gas pipeline, up to 12" steel, and a water pipeline, up to 12" poly, will follow the proposed access for approximately 302', as detailed in attached Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline. These pipelines will service all the wells located on this pad.

5. Location and Type of Water

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

6. Source of Construction Material

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

- a. the reserve pit will be double lined with at least 16 mil liners.
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. After first production, produced waste water will be confined to an unlined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Upon completion, any hydrocarbon within the reserve pit will be removed in accordance with 43 CFR 3162.7-1.
- c. The reserve pit will be backfilled and reclaimed within 120 days from the well completion. The reserve pit liner will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

d. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the State of Utah.

12. Other Information

- a. An archeological and Paleontological survey was conducted. They will be submitted under a separate cover.
- b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.
- c. COA's from onsite will be implemented/followed.
- d. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.
- e. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.
- f. All lease and unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.
- g. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

Immediately upon first production all produced water will be confined to a steel storage tank. Water will be disposed of via truck transport to a State of Utah approved disposal site.

Wildlife Timing Stipulations COA's from onsite will be implemented/followed.

13. Lessee's or Operators Representative

Gasco Production Company
Roger Knight – EHS Supervisor
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237
(303) 996-1803 – office
(720) 810-3850 – cell

Jesse Duncan
PO Box 351
10569 Pariette Road
Myton, Utah 84052
(435)828-1221 - Cell
(435)636-3336 – office

Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the *Well Desert Springs State 133-36-9-18, NW/SW Section 36, T9S, R18E, Lease No. ML-45171, Uintah County, Utah*; and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond K08792707.

I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

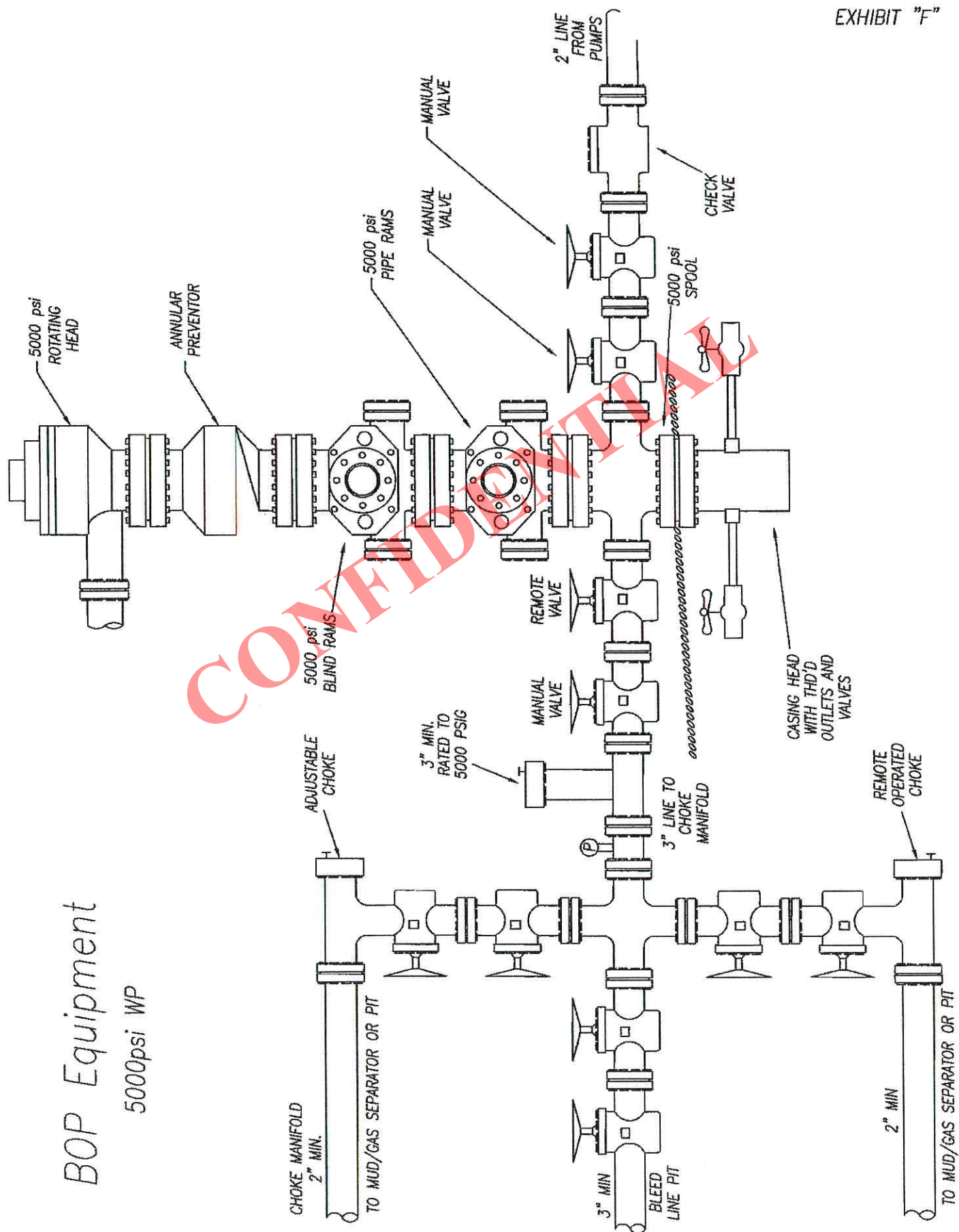


Roger Knight
EHS Supervisor
Gasco Production Company

2-20-13

Date

EXHIBIT "F"



BOP Equipment
5000psi WP

November 19, 2012

Gasco Production Company
Desert Springs State 133-36-9-18
1815' FSL & 660' FWL
NWSW of Section 36-T9S-R18E
Uintah County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Signature

Senior Operations Manager

Title

7979 East Tufts Avenue, Suite 1150 Denver, CO 80237

Address

303-483-0044

Phone

trogers@gascoenergy.com

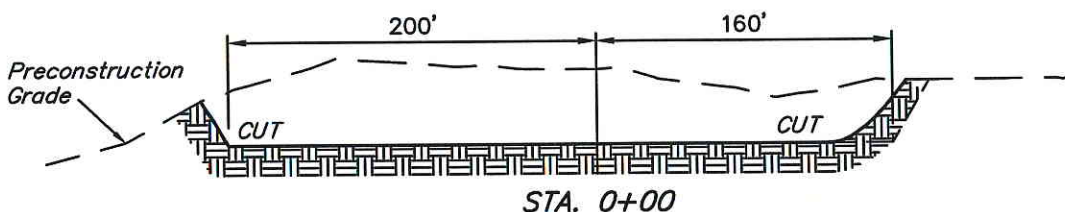
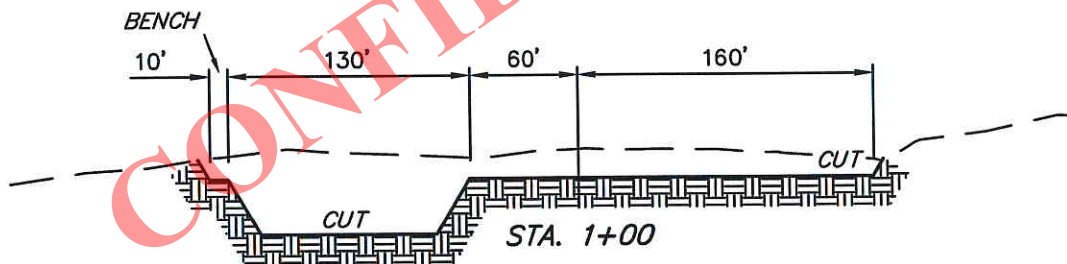
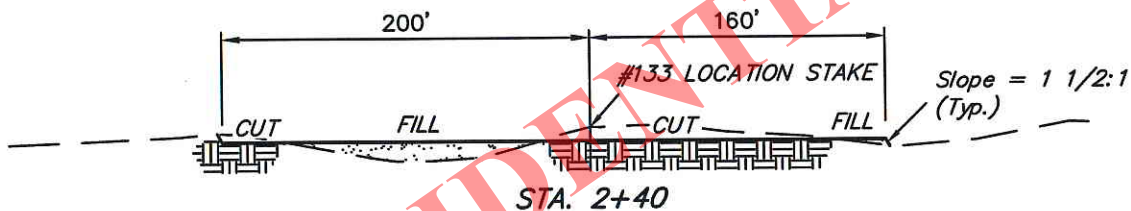
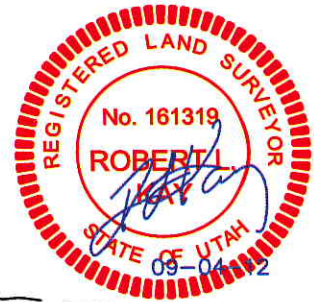
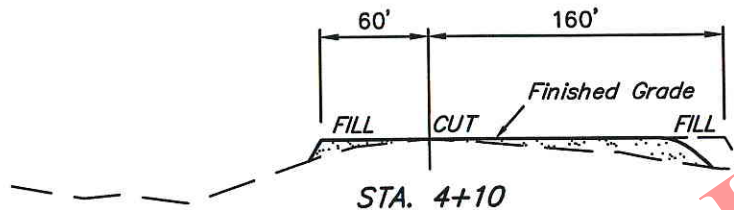
E-mail

GASCO PRODUCTION COMPANY**TYPICAL CROSS SECTIONS FOR****DESERT SPRINGS STATE #133-36-9-18****& #142-36-9-18****SECTION 36, T9S, R18E, S.L.B.&M.****NW 1/4 SW 1/4****FIGURE #2**

DATE: 08-30-12

DRAWN BY: T.B.

1" = 40'
X-Section
Scale
1" = 100'

**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.933 ACRES
ACCESS ROAD DISTURBANCE = ± 0.234 ACRES
PIPELINE DISTURBANCE = ± 0.208 ACRES
TOTAL = ± 5.375 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,790 Cu. Yds.
Remaining Location = 32,110 Cu. Yds.
TOTAL CUT = 34,900 CU. YDS.
FILL = 4,230 CU. YDS.

EXCESS MATERIAL = 30,670 Cu. Yds.
Topsoil & Pit Backfill = 8,010 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 22,660 Cu. Yds.
(After Interim Rehabilitation)

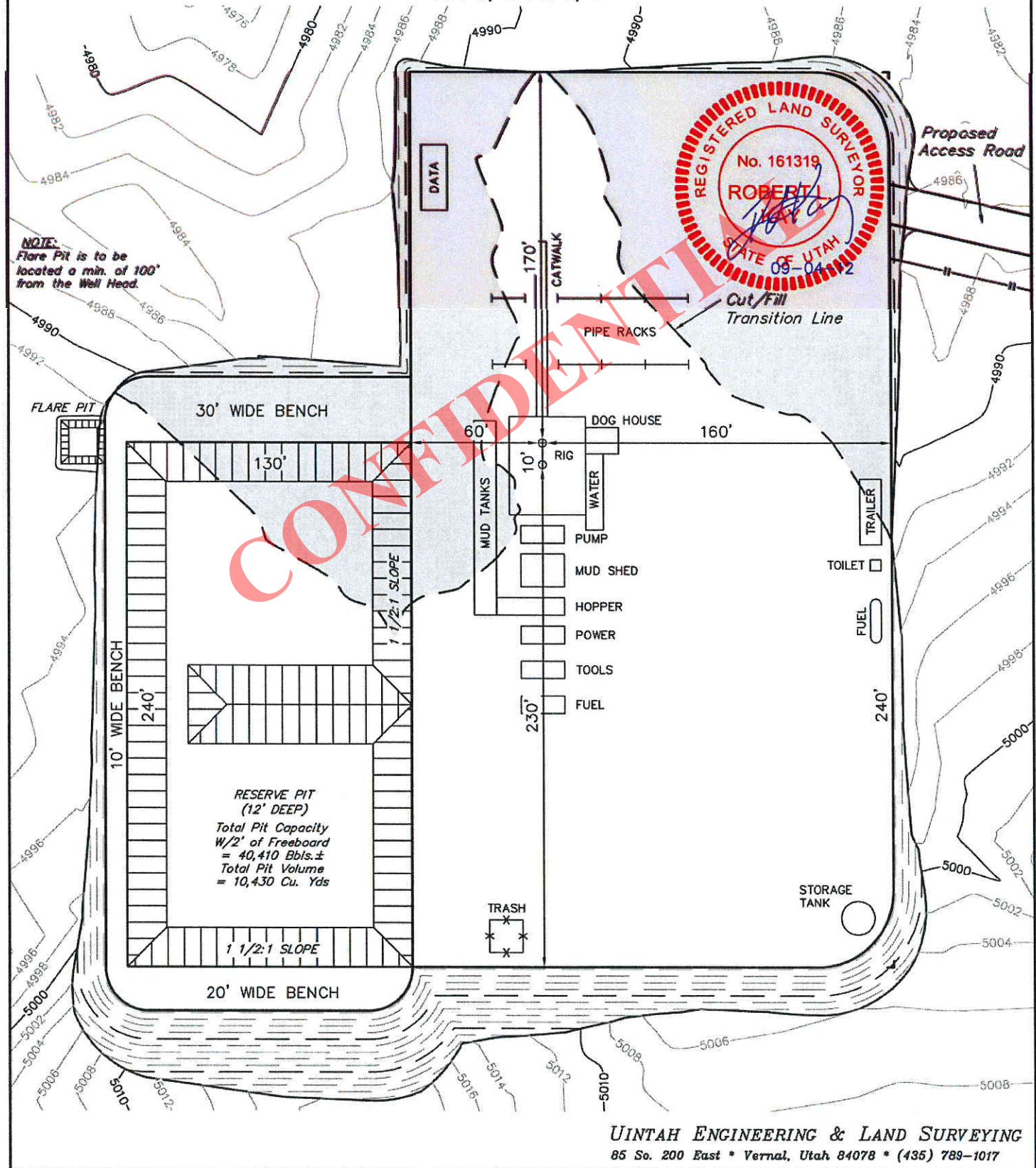
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

GASCO PRODUCTION COMPANY

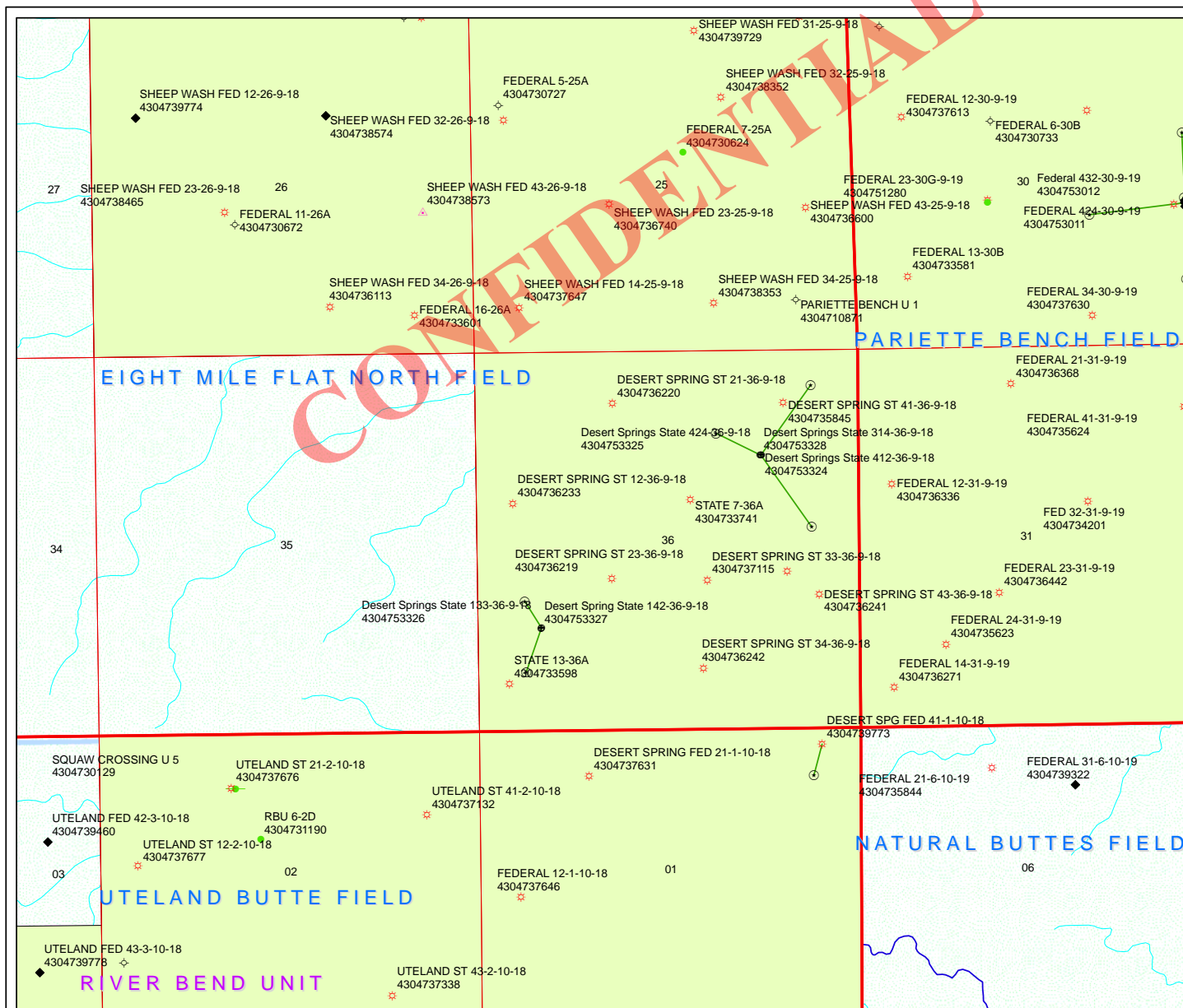
TYPICAL RIG LAYOUT FOR
 DESERT SPRINGS STATE #133-36-9-18
 & #142-36-9-18
 SECTION 36, T9S, R18E, S.L.B.&M.
 NW 1/4 SW 1/4

FIGURE #3

SCALE: 1" = 60'
 DATE: 08-30-12
 DRAWN BY: T.B.

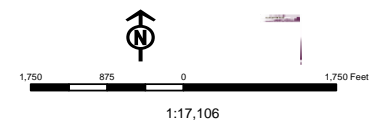
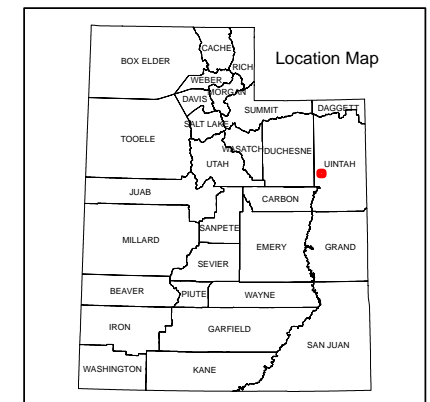
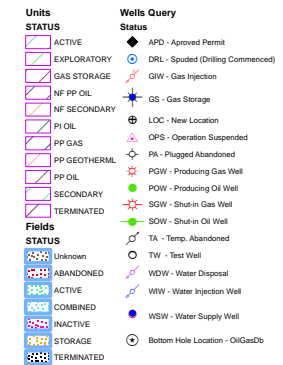


UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



API Number: 4304753326
Well Name: Desert Springs State 133-36-9-18
Township T09.0S Range R18.0E Section 36
Meridian: SLBM
Operator: GASCO PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason





December 5, 2012

State of Utah Division Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

**RE: Exception Location Request
Desert Springs State 133-36-9-18
1442 FSL, 884 FWL (surface) 1815 FSL, 660 FWL (bottomhole)
Township 9 South, Range 18 East, SLM
Section 36: NW¼SW¼
Uintah County, Utah**

To Whom It May Concern:

Pursuant to Rule 649-3-11 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") requests an exception to this location. The DSS 133-36-9-18 will be directionally drilled to minimize surface disturbance and impacts by using one surface location for multiple wells. Additionally Gasco is the owner of the oil and gas lease and the sole working interest owner within the 460' for the entire directional well bore.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Knight".

Roger Knight
EHS Supervisor

Gasco Production Company
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com

[Show details](#)

Well Name	GASCO PRODUCTION COMPANY Desert Springs State 133-36-9-18			
String	COND	SURF	PROD	
Casing Size(")	13.375	9.625	4.500	
Setting Depth (TVD)	60	3400	12700	
Previous Shoe Setting Depth (TVD)	0	60	3400	
Max Mud Weight (ppg)	8.3	8.3	11.6	
BOPE Proposed (psi)	0	1000	5000	
Casing Internal Yield (psi)	1000	3520	12410	
Operators Max Anticipated Pressure (psi)	7655		11.6	

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

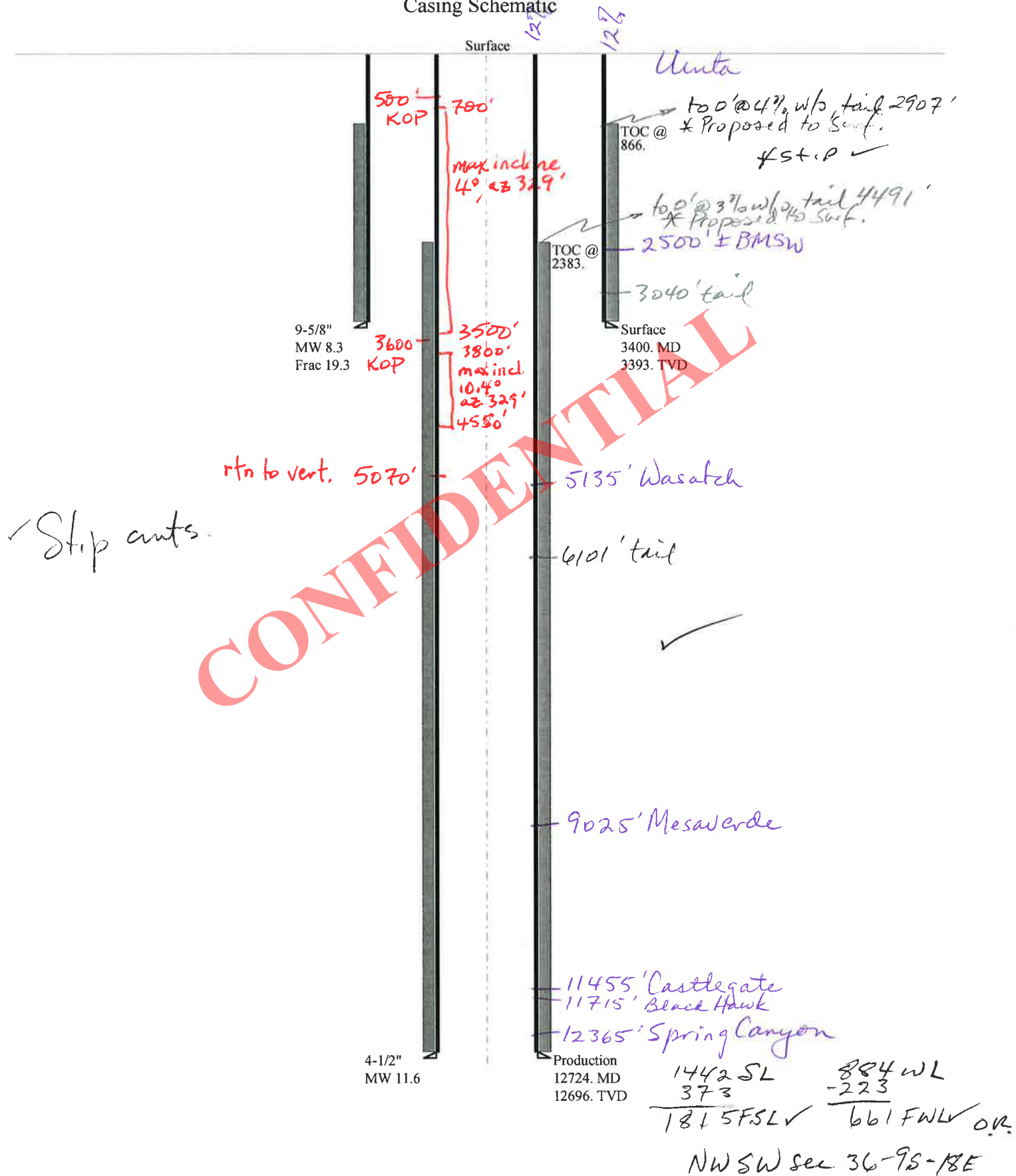
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1467	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1059	NO rotating head, air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	719	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	732	NO OK
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	7661	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6137	NO A 5M BOP, 5M
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4867	YES rams
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5615	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3400	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047533260000 Desert Springs ST 133-36-9-18

Casing Schematic



Well name:	43047533260000 Desert Springs ST 133-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53326
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 122 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 866 ft

Burst

Max anticipated surface pressure: 2,986 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,393 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,982 ft

Directional Info - Build & Hold

Kick-off point: 500 ft
Departure at shoe: 195 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 4 °

Re subsequent strings:

Next setting depth: 12,696 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,651 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,393 ft
Injection pressure: 3,393 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	9.625	36.00	J-55	LT&C	3393	3400	8.796	27803
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1463	2020	1.381	3393	3520	1.04	107.2	453	4.23 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 6, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3393 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047533260000 Desert Springs ST 133-36-9-18		
Operator:	GASCO PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-53326
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 252 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst:

Design factor 1.00

Cement top: 2,383 ft

Burst

Max anticipated surface pressure: 4,858 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,651 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 500 ft
Departure at shoe: 435 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

Tension is based on air weight.
Neutral point: 10,550 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12724	4.5	13.50	HCP-110	LT&C	12696	12724	3.795	71298
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7651	10680	1.396	7651	12410	1.62	171.4	338	1.97 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: February 6, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12696 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION**Utah Division of Oil, Gas and Mining**

Operator GASCO PRODUCTION COMPANY
Well Name Desert Springs State 133-36-9-18
API Number 43047533260000 **APD No** 7161 **Field/Unit** 8 MILE FLAT NORTH
Location: 1/4,1/4 NWSW **Sec** 36 **Tw** 9.0S **Rng** 18.0E 1442 FSL 884 FWL
GPS Coord (UTM) 598334 4426628 **Surface Owner**

Participants

Sam LaRue (environmental consultant), McCoy Anderson (surveyor), Jesse Duncan (Gasco), Jeff Conley (SITLA)

Regional/Local Setting & Topography

This location sits on a gradual slope which drains north. The Monarch Desert Springs water disposal facility lies just to the north of this proposed location. Myton, UT is approximately 25 miles to the North West. To the south there lies a compressor station. The site is approximately 1.75 miles west of the Green River.

Surface Use Plan**Current Surface Use**

Grazing

**New Road
Miles**

0.06

Well Pad

Width 220 **Length** 410

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Prickly pear, sparse grasses, rabbit brush, spiny hopsage
Pronghorn habitat

Soil Type and Characteristics

Clay loam soil, covered with fractured rock

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Small drainage diversion needed along east side of location to ensure water stays in original drainage

Berm Required? N**Erosion Sedimentation Control Required? N****Paleo Survey Run? Y Paleo Potential Observed? N Cultural Survey Run? Y Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		40 1 Sensitivity Level

Characteristics / Requirements

The proposed reserve pit dimensions are 240ft x 13ft x 12ft deep. A 20 mil liner will be required because the pit will be used for 3 wells. The reserve pit is proposed in a cut stable location.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

This well site is shared with the 43-047-53327

Richard Powell
Evaluator

12/5/2012
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7161	43047533260000	LOCKED	GW	S	No
Operator	GASCO PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Desert Springs State 133-36-9-18		Unit		
Field	8 MILE FLAT NORTH		Type of Work	DRILL	
Location	NWSW 36 9S 18E S 1442 FSL (UTM)	598351E 4426622N	884 FWL	GPS Coord	

Geologic Statement of Basis

Gasco proposes to set 60' of conductor and 3,400' of surface casing at this location. Conductor and surface holes will be drilled with an air mist system and both will be cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect ground water in this area.

Brad Hill
APD Evaluator

12/18/2012
Date / Time

Surface Statement of Basis

This proposed well is on SITLA surface with SITLA minerals. SITLA representative Jeff Conley was present for the onsite. DWR representative Ben Williams was invited but unable to attend the onsite. Mr. Williams stated that this is yearlong pronghorn habitat but made no recommendations regarding this site. This is a relatively flat stable location and appears to be a good site for placement of this well. It is situated between two small drainages in such a way that the drainages are not disturbed but a diversion is necessary on the east side to make sure the drainage stays in its original course and does not enter the location. This diversion is indicated on the location layout. Directly south of the location lies a paleo site. During the onsite it was stated by Gasco representative Jesse Duncan that the site contains turtle remains. Jeff Conley also was aware of the paleo concerns but stated that SITLA was making no request for movement of the location due to the Paleo site. However, it was agreed that the location would be shrunk on the south side anyway to not overlap the site. It appeared from the supplied Paleo map that the location would only need to be shrunk 10 to 20 feet and Mr. Duncan of Gasco wished to have this done. A 20 mil liner was agreed to based on the fact that 2 wells will be drilled here and the pit will be subject to a longer use period than a single well pad.

Richard Powell
Onsite Evaluator

12/5/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

API Well Number: 43047533260000

Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

RECEIVED: March 12, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/19/2012

API NO. ASSIGNED: 43047533260000

WELL NAME: Desert Springs State 133-36-9-18

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: NWSW 36 090S 180E

Permit Tech Review: ☒

SURFACE: 1442 FSL 0884 FWL

Engineering Review: ☒

BOTTOM: 1815 FSL 0660 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 39.98405

LONGITUDE: -109.84809

UTM SURF EASTINGS: 598351.00

NORTHINGS: 4426622.00

FIELD NAME: 8 MILE FLAT NORTH

LEASE TYPE: 3 - State

LEASE NUMBER: ML45171

PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: - K08792707
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 41-3530
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit:
- ☐ R649-3-2. General
- ☒ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

- 1 - Exception Location - bhill
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - ddoucet
- 15 - Directional - dmason
- 23 - Spacing - dmason
- 25 - Surface Casing - hmadonald

RECEIVED: March 12, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Desert Springs State 133-36-9-18
API Well Number: 43047533260000
Lease Number: ML45171
Surface Owner: STATE
Approval Date: 3/12/2013

Issued to:

GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon

as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3000' minimum.

Surface casing shall be cemented to the surface.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 133-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1442 FSL 0884 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533260000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/1/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco proposes the following changes to the approved casing program:

Surface Casing Hole size: 11.0" Csg size: 8.625" Length: 0-3400'

Weight: 32# Grade & thread: J-55 LT&C Max Mud Weight: 8.3

Production Casing Hole Size: 7.875" Csg Size: 4.5" Length: 0-12893'

Weight: 13.5# Grade & thread: HCP-110 LT&C Max Mud Weight: 11.6

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: December 11, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/26/2013	

Well name:	43047533260000 Desert Springs ST 133-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53326
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,986 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 3,393 psi

No backup mud specified.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,981 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 122 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top:

270 ft @ 12% w/o
to surf @ 9% w/o, tail 2956' ✓

Directional Info - Build & Hold

Kick-off point: 500 ft
Departure at shoe: 195 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 4 °

Re subsequent strings:

Next setting depth: 12,865 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,753 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,393 ft
Injection pressure: 3,393 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	8.625	32.00	J-55	LT&C	3393	3400	7.875	27399

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1463	2530	1.729 ✓	3393	3930	1.16 ✓	95.2	417	4.38 J ✓

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: December 10, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3393 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047533260000 Desert Springs ST 133-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Production	Project ID: 43-047-53326
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 254 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface ✓

Burst

Max anticipated surface pressure: 4,922 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,753 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 500 ft
Departure at shoe: 435 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 0 °

Tension is based on air weight.
Neutral point: 10,690 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12893	4.5	13.50	HCP-110	LT&C	12865	12893	3.795	72245
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7753	10680	1.378	7753	12410	1.60	173.7	338	1.95 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801-538-5357
FAX: 801-359-3940

Date: December 10, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12865 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 133-36-9-18			
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PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/1/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
<p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: March 13, 2014</p> <p style="color: red; font-weight: bold;">By: </p>					
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805			
SIGNATURE N/A		TITLE Regulatory Analyst			
DATE 3/13/2014					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047533260000

API: 43047533260000

Well Name: Desert Springs State 133-36-9-18

Location: 1442 FSL 0884 FWL QTR NWSW SEC 36 TWNP 090S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/12/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

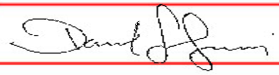
Signature: Jessica Berg

Date: 3/13/2014

Title: Regulatory Analyst Representing: GASCO PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
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2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 133-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1442 FSL 0884 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533260000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/7/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco proposes the following change to the drilling fluids program- Conductor and surface csg are to be drilled with a mud and water system, not an air myst system as stated in the APD.		
Approved by the Utah Division of Oil, Gas and Mining Date: April 07, 2014 By: <u><i>Derek Duff</i></u>		
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 4/4/2014		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/10/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Drilled to 60' and set conductor.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 11, 2014		
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/10/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
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PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/25/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
<p>Gasco intends to lay approximately 4,941' of 10" lay flat hose along the bar ditch of the road from the Desert Springs Evaporation Facility Pit #1 (South Pit) to the pad for the Desert Spring State 133-36-9-18 and the Desert Spring State 142-36-9-18 (see attached map). All lay flat hose connections will be a twist and lock connection. Road crossings will have a 1 foot culvert put in place. Gasco intends to use produced water from the evap pond and treat it by running it through a 150 micron filter then injecting MC B-8614 Biocide in the line. It will be pumped into frac tanks on location. All pumps will have containment under them. Gasco also intends to use the line to pump flowback water to the evap facility. It is estimated the lines will be in use for approximately 30 days. Gasco will monitor the lines for leaks at the startup and periodically throughout the operation.</p>					
<div style="text-align: right;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: September 02, 2014</p> <p>By: </p> <p>Please Review Attached Conditions of Approval</p> </div>					
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst			
SIGNATURE N/A	DATE 8/18/2014				



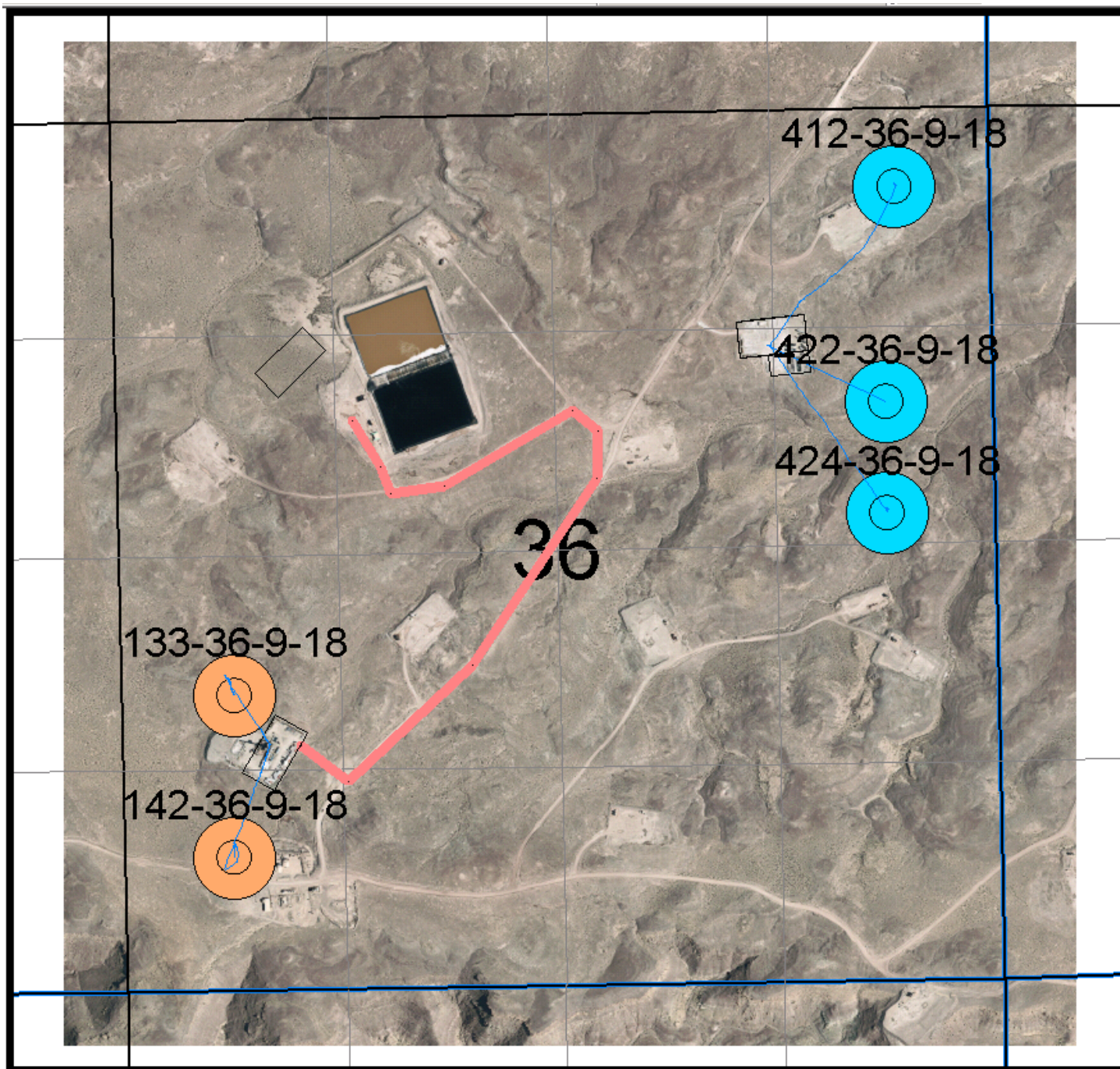
The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047533260000

The operation is approved as proposed. Approval from the appropriate surface owner for the right-of way shall be obtained by Gasco Production Company.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/12/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> This well was put on production and had first sales at 5:00 PM on 9/12/2014 </div> <div style="width: 35%; text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 19, 2014 </div> </div>		
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/18/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/12/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
OTHER: Production Facilities & Meas		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex;"> <div style="flex: 1;"> <p>Gasco intends to use the following production facilities and measurement methods on the Desert Spring State 133-36-9-18 and the Desert Spring State 142-36-9-18, which share a common pad: Each well will be produced through it's own three-phase separator. Gas will be metered through an electronic flow meter, a Total Flow XFCG4, then to a common sales meter. Liquids from each well will flow to individual 400 bbl tanks where water and condensate will be gauged regularly. Condensate will be manually skimmed into a common 400 bbl sales tank. Only one tank will be skimmed at a time in order to allow for gauging and tracking of the condensate from each well. These wells share the same lease with common ownership, and are being produced from the same formations.</p> </div> <div style="flex: 0.5; text-align: center; vertical-align: top;"> <p style="color: red; font-weight: bold;">Approved by the October 07, 2014 Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: _____</p> <p style="color: red; font-weight: bold;">By: <u>Derek Duff</u></p> </div> </div>		
NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/20/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: Desert Springs State 133-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1442 FSL 0884 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047533260000
PHONE NUMBER: 303 996-1805 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/22/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Gasco intends to primarily dispose of produced water at the Desert Spring State Evaporation Facility and the Eight Mile Flat Evaporation Facility owned by Monarch Natural Gas, LLC. Gasco may also utilize the following State approved disposal facilities: Brennan Bottom Disposal Environmental Energy Innovations Integrated Water Management, LLC Iowa Tanklines, Inc R N Industries, Inc Western Water Solutions		
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 9/20/2014		DATE: _____ By:

RECEIVED

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

OCT 07 2014

FORM 6

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: Gasco Energy Operator Account Number: N 2575
Address: 7979 E Tufts Ave. Ste. 1150
city Denver
state CO zip 80237 Phone Number: (303) 996-1834

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304753326	Desert Spring State 133-36-9-18	NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	19456	19747	4/10/2014	10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18. MVRD						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304753327	Desert Spring State 142-36-9-18	NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	19457	19747	4/10/2014	10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18.						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Lindsey Cooke

Name (Please Print)

Signature

Production Tech

Title

10/6/2014

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:

12. COUNTY

13. STATE

UTAH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER _____b. TYPE OF WORK:
NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD

TVD

19. PLUG BACK T.D.: MD

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET:

TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED?

NO ☐YES ☐

(Submit analysis)

WAS DST RUN?

NO ☐YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐YES ☐

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED?

YES ☐NO ☐

IF YES -- DATE FRACTURED:

DEPTH INTERVAL

AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
☐ GEOLOGIC REPORT
☐ CORE ANALYSIS
☐ DST REPORT
☐ OTHER: _____
☐ DIRECTIONAL SURVEY

30. WELL STATUS:

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

LEASE: **ML-45171** WELL #: **DSS 133-36-9-18**
 FIELD: Riverbend
 LOCATION: SHL: 1442' FSL & 884' FWL BHL: 1742' FSL & 627' FWL
 COUNTY: Uintah ST: Utah API: 43-047-53326

CONDUCTOR

SIZE: 13 3/8"
 WT/GRD: H-40
 WT/GRD: 48#
 CSA: 60'
 SX: 55 sx Class G
 CIRC: Y
 TOC: Surf
 HOLE SIZE: 17 1/2"

SURFACE CASING

SIZE: 8 5/8"
 WT/GRD: J-55
 WT/GRD: 32#
 CSA: 3,009
 SX: 75 sx 11.5#-15.7#
 CIRC: Y
 TOC: Surf
 HOLE SIZE: 11"

PRODUCTION CASING

SIZE: 4 1/2"
 WT/GRD: P110
 WT/GRD: 13.5#
 CSA: 12,620
 SX: 477 sx Premium Lift
 2013 sx 50/50 Poz G
 CIRC: No
 TOC: 605'
 HOLE SIZE: 7 7/8"

Stimulation

Stage 12:
9/9/2014

Frac'd w/ 114,000# 20-40 premium white sd
using 4711 bbls of produced FR slick water

Stage 11:
9/8/2014

Frac'd w/ 60,200# 20-40 premium white sd
using 2565 bbls of produced FR slick water

Stage 10:
9/8/2014

Frac'd w/ 120,300# 20-40 premium white sd
using 4893 bbls of produced FR slick water

Stage 9:
9/7/2014

Frac'd w/ 160,500# 20-40 premium white sd
using 6380 bbls of produced FR slick water

Stage 8:
9/7/2014

Frac'd w/ 156,100# 20-40 premium white sd
using 6054 bbls of produced FR slick water

Stage 7:
9/6/2014

Frac'd w/ 132,200# 20-40 premium white sd
using 5339 bbls of produced FR slick water

Stage 6:
9/6/2014

Frac'd w/ 136,800# 20-40 premium white sd
using 6288 bbls of produced FR slick water

Stage 5:
9/5/2014

Frac'd w/ 97,700# 20-40 premium white sd
using 4184 bbls of produced FR slick water

Stage 4:
9/5/2014

Frac'd w/ 120,000# 20-40 premium white sd
using 5358 bbls of produced FR slick water

Stage 3:
9/4/2014

Frac'd w/ 144,100# 20-40 premium white sd
using 5522 bbls of produced FR slick water

Stage 2:
9/3/2014

Frac'd w/ 108,100# 20-40 premium white sd
using 4450 bbls of produced FR slick water

Stage 1:
9/3/2014

Frac'd w/ 96,100# 20-40 premium white sd
using 3872 bbls of produced FR slick water

GL: 4994'

SPUD DATE: 5/31/2014

COMP DATE: 9/3/2014

FIRST GAS 9/12/2014

Stage 12

7542-7874

} 27 total shots Wasatch

Stage 11

8168-8398

} 24 total shots Dark Canyon/ Wasatch

Stage 10

8628-9057

} 27 total shots /Upper Mesaverde/Dark Canyon

Stage 9

9150-9513

} 30 total shots Upper Mesaverde

Stage 8

9574-9916

} 33 total shots Upper Mesaverde

Stage 7

9978-10297

} 27 total shots Upper Mesaverde

Stage 6

10592-10831

} 30 total shots Lower Mesaverde

Stage 5

10884-11097

} 21 total shots Lower Mesaverde

Stage 4

11183-11443

} 30 total shots Lower Mesaverde

Stage 3

11772-12025

} 27 total shots Desert Grassy/Sunnyside

Stage 2

12200-12329

} 24 total shots Kenilworth/Aberdeen

Stage 1

12420-12442

} 30 total shots Spring Canyon

MD 12,635
TD 12,557

LEASE: ML-45171 WELL #: DSS 133-36-9-18
 FIELD: Riverbend
 LOCATION: SHL: 1442' FSL & 884' FWL BHL: 1742' FSL & 627' FWL
 COUNTY: Uintah ST: Utah API: 43-047-53326

PERFORATION RECORD

Stage 6	Top	Bottom	ft	holes
	10592	10593	1	3
	10616	10617	1	3
	10670	10671	1	3
	10718	10719	1	3
	10738	10739	1	3
	10750	10751	1	3
	10780	10781	1	3
	10794	10795	1	3
	10814	10815	1	3
	10830	10831	1	3
			10	30
Stage 5	Top	Bottom	ft	holes
	10884	10885	1	3
	10923	10924	1	3
	10934	10935	1	3
	10980	10981	1	3
	11013	11014	1	3
	11056	11057	1	3
	11096	11097	1	3
			7	21
Stage 4	Top	Bottom	ft	holes
	11183	11184	1	3
	11200	11201	1	3
	11264	11265	1	3
	11321	11322	1	3
	11366	11368	2	6
	11386	11387	1	3
	11409	11410	1	3
	11419	11420	1	3
	11442	11443	1	3
			10	30
Stage 3	Top	Bottom	ft	holes
	11772	11773	1	3
	11790	11791	1	3
	11816	11817	1	3
	11839	11840	1	3
	11856	11857	1	3
	11890	11891	1	3
	11912	11913	1	3
	11979	11980	1	3
	12024	12025	1	3
			9	27
Stage 2	Top	Bottom	ft	holes
	12200	12201	1	3
	12208	12209	1	3
	12223	12224	1	3
	12244	12245	1	3
	12258	12259	1	3
	12289	12290	1	3
	12315	12316	1	3
	12328	12329	1	3
			8	24
Stage 1	Top	Bottom	ft	holes
	12420	12422	2	6
	12426	12428	2	6
	12432	12434	2	6
	12438	12442	4	12
			10	30

Stage 12	Top	Bottom	ft	holes
	7542	7543	1	3
	7580	7581	1	3
	7594	7595	1	3
	7680	7681	1	3
	7728	7729	1	3
	7794	7795	1	3
	7849	7850	1	3
	7872	7874	2	6
			9	27
Stage 11	Top	Bottom	ft	holes
	8168	8169	1	3
	8176	8177	1	3
	8230	8231	1	3
	8238	8239	1	3
	8246	8247	1	3
	8386	8387	1	3
	8396	8398	2	6
			8	24
Stage 10	Top	Bottom	ft	holes
	8628	8629	1	3
	8766	8767	1	3
	8796	8797	1	3
	8832	8833	1	3
	8872	8873	1	3
	8903	8904	1	3
	8936	8937	1	3
	8956	8957	1	3
	9056	9057	1	3
			9	27
Stage 9	Top	Bottom	ft	holes
	9150	9151	1	3
	9206	9207	1	3
	9222	9223	1	3
	9240	9241	1	3
	9270	9271	1	3
	9390	9391	1	3
	9440	9441	1	3
	9471	9472	1	3
	9503	9504	1	3
	9512	9513	1	3
			10	30
Stage 8	Top	Bottom	ft	holes
	9574	9575	1	3
	9599	9600	1	3
	9674	9675	1	3
	9706	9707	1	3
	9752	9753	1	3
	9796	9797	1	3
	9828	9829	1	3
	9840	9841	1	3
	9892	9893	1	3
	9914	9916	2	6
			11	33
Stage 7	Top	Bottom	ft	holes
	9978	9979	1	3
	9992	9993	1	3
	10011	10012	1	3
	10088	10089	1	3
	10109	10110	1	3
	10128	10129	1	3
	10178	10179	1	3
	10234	10235	1	3
	10296	10297	1	3
			9	27



Company: Gasco Energy
 Company Man: Scott Alread
 Well: Isert Springs State 133-36-9
 Rig: SST 54
 Job #: RD0414DM117
 Project: Desert Springs State
 County: Uinta, Utah
 Field:

MWD SURVEY SHEET

Azimuth Reference:	True North
Vertical Section Azimuth:	329.11
Magnetic Declination:	10.83
Grid Correction:	0
Total Correction Used:	10.83
Vertical Reference:	Rotary Table
Calculation Method:	Minimum Curvature
Magnetic Model:	
Tool Error Model:	Magnetic (Good)

Date: June 12, 2014
 MWD Operator:
 API #: 430-47-53326
 Latitude: 39.9841
 Longitude: 109.648
 Ground Elevation: 4994
 KB to Ground Level: 24
 Ideal Dip Angle: 65.7
 Ideal Total Magnetic Field: 0.519
 Geodetic System: State Plane NAD 1927
 Tool Type: MWD-Positive Pulse

Survey Type	SURVEY #	MWD RUN #	BY DEPTH	SURVEY	INCLINATION	AZIMUTH	MAGNETIC DIP ANGLE	TOTAL FIELD (m)	GRAVITY TOTAL	D-H TEMP	TVD	Course Length	Vertical Section	North (N) South (S)	East (E) West (W)	Closure Dist (ft)	Closure Angle	DLS	Build Rate (" / 100 ft)	Walk Rate (" / 100 ft)
TIE IN				2992	3.96	318.91					2986.06			148.23 N	93.91 W					
MWD	1	1	3085	3040	3.82	315.72	65.8	0.523	1.001	91	3033.95	48.00	178.6	150.62 N	96.12 W	178.7	327.5	0.54	-0.29	-6.65
MWD	2	1	3181	3136	4.84	323.98	65.9	0.523	1.002	94	3129.68	96.00	185.7	156.19 N	100.73 W	185.9	327.2	1.24	1.06	8.60
MWD	3	1	3275	3230	6.11	332.95	65.9	0.523	1.001	98	3223.25	94.00	194.7	163.85 N	105.34 W	194.8	327.3	1.63	1.35	9.54
MWD	4	1	3371	3326	6.15	329.35	65.9	0.523	1.001	102	3318.70	96.00	204.9	172.83 N	110.28 W	205.0	327.5	0.40	0.04	-3.75
MWD	5	1	3466	3421	6.73	326.36	65.9	0.523	1.001	104	3413.10	95.00	215.6	181.84 N	115.96 W	215.7	327.5	0.71	0.61	-3.15
MWD	6	1	3561	3516	7.12	330.22	65.9	0.524	1.001	104	3507.41	95.00	227.0	191.58 N	121.97 W	227.1	327.5	0.64	0.41	4.06
MWD	7	1	3657	3612	6.59	321.79	65.9	0.524	1.001	105	3602.72	96.00	238.4	201.08 N	128.33 W	238.5	327.5	1.18	-0.55	-8.78
MWD	8	1	3752	3707	6.86	320.2	65.9	0.524	1.001	113	3697.07	95.00	249.5	209.72 N	135.33 W	249.6	327.2	0.35	0.28	-1.67
MWD	9	1	3847	3802	7.25	318.8	65.9	0.525	1.001	113	3791.35	95.00	261.0	218.59 N	142.91 W	261.2	326.8	0.45	0.41	-1.47
MWD	10	1	3942	3897	8.57	325.13	65.9	0.524	1.001	113	3885.44	95.00	273.9	228.91 N	150.91 W	274.2	326.6	1.66	1.39	6.66
MWD	11	1	4037	3992	9.45	330.75	66.1	0.525	1.002	114	3979.27	95.00	288.8	241.52 N	158.77 W	289.0	326.7	1.31	0.93	5.92
MWD	12	1	4132	4087	9.63	333.56	65.8	0.525	1.001	116	4072.96	95.00	304.5	255.44 N	166.12 W	304.7	327.0	0.53	0.19	2.96
MWD	13	1	4228	4183	9.19	331.72	65.9	0.525	1.002	118	4167.67	96.00	320.2	269.38 N	173.32 W	320.3	327.2	0.56	-0.46	-1.92
MWD	14	1	4323	4278	9.14	330.14	65.9	0.525	1.002	118	4261.45	95.00	335.3	282.60 N	180.68 W	335.4	327.4	0.27	-0.05	-1.66
MWD	15	1	4418	4373	8.35	328.29	65.9	0.525	1.001	118	4355.35	95.00	349.7	295.01 N	188.06 W	349.9	327.5	0.88	-0.83	-1.95
MWD	16	1	4512	4467	8.09	324.6	66.1	0.525	1.002	120	4448.38	94.00	363.1	306.21 N	195.48 W	363.3	327.4	0.63	-0.28	-3.93
MWD	17	1	4608	4563	7.47	322.93	66	0.525	1.001	120	4543.50	96.00	376.1	316.70 N	203.15 W	376.3	327.3	0.69	-0.65	-1.74
MWD	18	1	4703	4658	6.68	323.19	66	0.525	1.001	120	4637.78	95.00	387.7	326.05 N	210.18 W	387.9	327.2	0.83	-0.83	0.27
MWD	19	1	4798	4753	7.82	327.15	65.9	0.526	1.002	118	4732.02	95.00	399.7	335.90 N	217.00 W	399.9	327.1	1.31	1.20	4.17
MWD	20	1	4893	4848	8.62	332.07	65.9	0.525	1.001	120	4826.04	95.00	413.2	347.62 N	223.84 W	413.5	327.2	1.12	0.84	5.18
MWD	21	1	4987	4942	7.56	331.1	66.1	0.525	1.002	122	4919.10	94.00	426.4	359.26 N	230.13 W	426.6	327.4	1.14	-1.13	-1.03
MWD	22	1	5083	5038	6.99	331.02	65.9	0.526	1.002	122	5014.33	96.00	438.6	369.90 N	236.01 W	438.8	327.5	0.59	-0.59	-0.08
MWD	23	1	5178	5133	6.99	331.81	65.9	0.526	1.002	123	5108.62	95.00	450.1	380.05 N	241.54 W	450.3	327.6	0.10	0.00	0.83
MWD	24	1	5273	5228	6.2	325.83	65.9	0.526	1.002	125	5203.00	95.00	461.0	389.39 N	247.16 W	461.2	327.6	1.10	-0.83	-6.29
MWD	25	1	5368	5323	6.29	334.71	65.9	0.526	1.002	125	5297.43	95.00	471.3	398.34 N	252.26 W	471.5	327.7	1.02	0.09	9.35
MWD	26	1	5463	5418	4.75	334.97	65.9	0.526	1.002	127	5391.99	95.00	480.4	406.61 N	256.15 W	480.6	327.8	1.62	-1.62	0.27
MWD	27	1	5558	5513	3.65	333.74	66.1	0.525	1.001	127	5486.73	95.00	487.4	412.89 N	259.15 W	487.5	327.9	1.16	-1.16	-1.29
MWD	28	1	5654	5609	2.33	330.66	66	0.526	1.002	129	5582.60	96.00	492.4	417.33 N	261.46 W	492.5	327.9	1.38	-1.38	-3.21
MWD	29	1	5749	5704	1.54	321.26	66	0.525	1.001	131	5677.55	95.00	495.6	420.01 N	263.20 W	495.7	327.9	0.89	-0.83	-9.89
MWD	30	1	5844	5799	1.19	321	66	0.525	1.002	132	5772.52	95.00	497.8	421.77 N	264.62 W	497.9	327.9	0.37	-0.37	-0.27
MWD	31	1	5940	5895	1.01	309.75	66.2	0.525	1.004	132	5868.50	96.00	499.6	423.09 N	265.90 W	499.7	327.9	0.29	-0.19	-11.72
MWD	32	1	6035	5990	0.57	299.46	66.1	0.525	1.002	134	5963.49	95.00	500.8	423.85 N	266.96 W	500.9	327.8	0.48	-0.46	-10.83
MWD	33	1	6130	6085	0.35	297.53	66.1	0.525	1.002	132	6058.49	95.00	501.4	424.22 N	267.63 W	501.6	327.8	0.23	-0.23	-2.03
MWD	34	1	6225	6180	0.4	259.74	66.1	0.525	1.002	132	6153.49	95.00	501.8	424.29 N	268.21 W	502.0	327.7	0.26	0.05	-39.78
MWD	35	1	6321	6276	0.26	235.48	66.1	0.525	1.002	136	6249.49	96.00	501.9	424.11 N	268.72 W	502.1	327.6	0.20	-0.15	-25.27
MWD	36	2	6417	6371	0.18	198.39	65.7	0.516	1.002	125	6344.49	95.00	501.8	423.85 N	268.94 W	502.0	327.6	0.17	-0.08	-39.04
MWD	37	2	6511	6466	0.44	183.97	65.5	0.516	1.001	125	6439.48	95.00	501.4	423.34 N	269.01 W	501.6	327.6	0.28	0.27	-15.18
MWD	38	2	6606	6561	0.7	180.37	65.5	0.516	1.002	129	6534.48	95.00	500.6	422.40 N	269.04 W	500.8	327.5	0.28	0.27	-3.79
MWD	39	2	6700	6655	1.1	184.33	65.5	0.516	1.002	129	6628.47	94.00	499.4	420.92 N	269.12 W	499.6	327.4	0.43	0.43	4.21
MWD	40	2	6795	6750	1.01	103.03	65.6	0.516	1.002	131	6723.46	95.00	498.1	419.83 N	268.37 W	498.3	327.4	1.45	-0.09	-85.58
MWD	41	2	6890	6845	1.05	108.39	65.7	0.516	1.002	129	6818.44	95.00	496.8	419.36 N	266.73 W	497.0	327.5	0.11	0.04	5.64
MWD	42	2	6986	6941	1.01	127.2	65.7	0.516	1.002	134	6914.43	96.00	495.4	418.57 N	265.22 W	495.5	327.6	0.35	-0.04	19.59
MWD	43	2	7081	7036	1.14	133.53	65.7	0.516	1.001	136	7009.41	95.00	493.7	417.42 N	263.87 W	493.8	327.7	0.19	0.14	6.66
MWD	44	2	7175	7130	1.19	149.52	65.7	0.516	1.001	138	7103.39	94.00	491.8	415.93 N	262.69 W	491.9	327.7	0.35	0.05	17.01
MWD	45	2	7270	7225	1.36	157.7	65.6	0.517	1.001	140	7198.37	95.00	489.7	414.04 N	261.77 W	489.8	327.7	0.26	0.18	8.61
MWD	46	2	7365	7320	1.58	162.35	65.7	0.517	1.001	141	7293.33	95.00	487.3	411.75 N	260.94 W	487.5	327.6	0.26	0.23	4.89
MWD	47	2	7461	7416	1.23	113.93	65.6	0.517	1.002	143	7389.31	96.00	485.2	410.07 N	259.60 W	485.3	327.7	1.25	-0.36	-50.44
MWD	48	2	7556	7511	1.45	130.36	65.7	0.517	1.002	143	7484.28	95.00	483.2	408.88 N	257.75 W	483.3	327.8	0.46	0.23	17.29
MWD	49	2	7650	7605	1.49	136.07	65.7	0.517	1.002	145	7578.25	94.00	480.9	407.23 N	256.00 W	481.0	327.8	0.16	0.04	6.07
MWD	50	2	7745	7700	1.54	135.02	65.7	0.517	1.002	145	7673.22	95.00	478.4	405.43 N	254.24 W	478.6	327.9	0.06	0.05	-1.11
MWD	51	2	7840	7795	0.88	99.42</														



Company: Gasco Energy
 Company Man: Scott Alread
 Well: ssert Springs State 133-36-9
 Rig: SST 54
 Job #: RD0414DM117
 Project: Desert Springs State
 County: Uinta, Utah
 Field:

MWD SURVEY SHEET

Azimuth Reference: True North
 Vertical Section Azimuth: 329.11
 Magnetic Declination: 10.83
 Grid Correction: 0
 Total Correction Used: 10.83
 Vertical Reference: Rotary Table
 Calculation Method: Minimum Curvature
 Magnetic Model:
 Tool Error Model: Magnetic (Good)

Date: June 12, 2014
 MWD Operator:
 API #: 430-47-53326
 Latitude: 39.9841
 Longitude: 109.848
 Ground Elevation: 4994
 KB to Ground Level: 24
 Ideal Dip Angle: 65.7
 Ideal Total Magnetic Field: 0.519
 Geodetic System: State Plane NAD 1927
 Tool Type: MWD-Positive Pulse

Survey Type	SURVEY #	MWD RUN #	BY DEPTH	SURVEY	INCLINATION	AZIMUTH	MAGNETIC DIP ANGLE	TOTAL FIELD (m)	GRAVITY TOTAL	D-H TEMP	TVD	Course Length	Vertical Section	North (N) South (S)	East (E) West (W)	Closure Dist (ft)	Closure Angle	DLS	Build Rate (" / 100 ft)	Walk Rate (" / 100 ft)
MWD	75	2	10127	10082	1.58	170.35	66	0.522	1.002	170	10054.76	95.00	437.8	371.42 N	231.83 W	437.8	328.0	0.61	-0.56	7.86
MWD	76	2	10222	10177	1.67	167.01	66.1	0.522	1.002	170	10149.73	95.00	435.2	368.78 N	231.30 W	435.3	327.9	0.14	0.09	-3.52
MWD	77	2	10317	10272	1.8	171.58	66.2	0.522	1.001	170	10244.68	95.00	432.5	365.95 N	230.77 W	432.6	327.8	0.20	0.14	4.81
MWD	78	2	10413	10368	1.63	177.21	66.1	0.522	1.001	172	10340.64	96.00	429.9	363.10 N	230.49 W	430.1	327.6	0.25	-0.18	5.86
MWD	79	2	10507	10462	1.76	179.49	66.2	0.522	1.001	174	10434.60	94.00	427.5	360.32 N	230.41 W	427.7	327.4	0.16	0.14	2.43
MWD	80	2	10602	10557	2.02	186.52	66	0.523	1.001	174	10529.55	95.00	424.9	357.20 N	230.59 W	425.2	327.2	0.37	0.27	7.40
MWD	81	2	10697	10652	2.24	189.69	66.1	0.523	1.001	177	10624.48	95.00	422.2	353.70 N	231.09 W	422.5	326.8	0.26	0.23	3.34
MWD	82	2	10792	10747	2.55	189.69	66	0.523	1.001	177	10719.40	95.00	419.2	349.79 N	231.76 W	419.6	326.5	0.33	0.33	0.00
MWD	83	3	10900	10851	1.71	175.89	66.1	0.523	0.999	174	10823.33	104.00	416.0	345.96 N	232.03 W	416.6	326.2	0.94	-0.81	-13.27
MWD	84	3	10997	10948	0.48	121.13	66.1	0.523	0.999	179	10920.31	97.00	414.4	344.31 N	231.58 W	414.9	326.1	1.53	-1.27	-56.45
MWD	85	3	11090	11041	0.66	143.98	66.1	0.523	0.999	179	11013.30	93.00	413.5	343.67 N	230.93 W	414.1	326.1	0.31	0.19	24.57
MWD	86	3	11186	11137	0.66	156.29	66.1	0.523	0.998	181	11109.30	96.00	412.4	342.72 N	230.39 W	413.0	326.1	0.15	0.00	12.82
MWD	87	3	11281	11232	0.88	157.78	66.1	0.524	0.999	181	11204.29	95.00	411.1	341.54 N	229.89 W	411.7	326.1	0.23	0.23	1.57
MWD	88	3	11376	11327	1.05	158.84	66.1	0.524	0.998	183	11299.27	95.00	409.5	340.06 N	229.30 W	410.1	326.0	0.18	0.18	1.12
MWD	89	3	11471	11422	1.27	158.13	66.1	0.525	0.999	185	11394.26	95.00	407.6	338.27 N	228.59 W	408.3	326.0	0.23	0.23	-0.75
MWD	90	3	11565	11516	1.58	148.47	66.2	0.525	0.999	186	11488.23	94.00	405.3	336.20 N	227.53 W	406.0	325.9	0.42	0.33	-10.28
MWD	91	3	11662	11613	1.71	149.17	66.1	0.525	0.999	186	11585.19	97.00	402.5	333.81 N	226.09 W	403.2	325.9	0.14	0.13	0.72
MWD	92	3	11757	11708	1.76	147.5	66.1	0.525	0.999	186	11680.14	95.00	399.7	331.37 N	224.58 W	400.3	325.9	0.07	0.05	-1.76
MWD	93	3	11852	11803	1.93	152.6	66.3	0.525	0.998	188	11775.09	95.00	396.6	328.72 N	223.06 W	397.3	325.8	0.25	0.18	5.37
MWD	94	3	11948	11899	2.02	154	66.2	0.525	0.998	192	11871.04	96.00	393.3	325.76 N	221.57 W	394.0	325.8	0.11	0.09	1.46
MWD	95	3	12043	11994	2.07	152.6	66.2	0.525	0.998	190	11965.98	95.00	389.9	322.73 N	220.05 W	390.6	325.7	0.07	0.05	-1.47
MWD	96	3	12138	12089	2.11	151.46	66.6	0.525	0.999	194	12060.91	95.00	386.5	319.67 N	218.42 W	387.2	325.7	0.06	0.04	-1.20
MWD	97	3	12234	12185	2.07	151.81	66.2	0.525	0.999	194	12156.85	96.00	383.0	316.59 N	216.76 W	383.7	325.6	0.04	-0.04	0.36
MWD	98	3	12329	12280	2.24	153.39	66.3	0.525	0.998	195	12251.78	95.00	379.4	313.42 N	215.12 W	380.1	325.5	0.19	0.18	1.66
MWD	99	3	12424	12375	2.33	153.83	66.3	0.525	0.999	195	12346.71	95.00	375.6	310.03 N	213.43 W	376.4	325.5	0.10	0.09	0.46
MWD	100	3	12519	12470	2.33	161.39	66.2	0.525	0.999	195	12441.63	95.00	371.8	306.46 N	211.97 W	372.6	325.3	0.32	0.00	7.96
MWD	101	3	12614	12565	1.93	161.3	66.2	0.525	0.999	195	12536.56	95.00	368.4	303.12 N	210.84 W	369.2	325.2	0.42	-0.42	-0.09
MWD	102	3	12635	12586	2.51	165.17	66.2	0.525	0.998	196	12557.55	21.00	367.6	302.34 N	210.61 W	368.5	325.1	2.85	2.76	18.43
			PTB	12635	2.51	165.17					12606.50	49.00	365.5	300.26 N	210.06 W	366.4	325.0	0.00	0.00	0.00

RECEIVED

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

OCT 07 2014

FORM 6

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: Gasco Energy Operator Account Number: N 2575
Address: 7979 E Tufts Ave. Ste. 1150
city Denver
state CO zip 80237 Phone Number: (303) 996-1834

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304753326	Desert Spring State 133-36-9-18	NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	19456	19747	4/10/2014	10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18. MVRD						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304753327	Desert Spring State 142-36-9-18	NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
E	19457	19747	4/10/2014	10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18.						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Lindsey Cooke

Name (Please Print)

Signature

Production Tech

Title

10/6/2014

Date

Effective Date: 4/16/2015

FORMER OPERATOR:	NEW OPERATOR:
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845
SUR0035619 -FCB

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

COMMENTS:

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBV 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company
To: Badlands Production Company
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76482
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. CITY Denver STATE CO ZIP 80237		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 483-0044		8. WELL NAME and NUMBER: Desert Spring Fed 21-1-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0633 FNL 1512 FWL		9. API NUMBER: 4304737631
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 10S 18E S		10. FIELD AND POOL, OR WILDCAT: Uteland Butte

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

Badlands Production Company
7979 E Tufts Ave, Suite 1150
Denver CO 80237
303-996-1805

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Lindsey Cooke	TITLE Engineering Tech
SIGNATURE <i>Lindsey Cooke</i>	DATE 5/18/2015

(This space for State use only)

APPROVED

JAN 22 2016

DIV. OIL GAS & MINING
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBW 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBW 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBW 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBW 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBW 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBW 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBW 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBW 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBW 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBW 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBW 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBW 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBW 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBW 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBW 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S